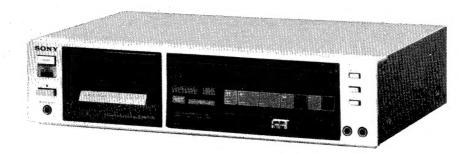
Canadian Model AEP Madel UK Model £ Node



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STEREO CASSETTE DECK

SPECIFICATIONS

Recording System: Compact Cassette Stereo

Bias Frequency: 105 kHz

> Erase head x 1 (F & F head) Head:

Record/playback head x 1 (LA head)

Motor: Reel motor x 1 (DC motor)

Capstan motor (DC servo motor)

Wow and Flutter:

± 0.06 % W. Peak 0.04 % W. RMS (NAB) 0.04 % W. RMS (DIN)

Fast-forward and **Rewind Time:**

Approx. 90 sec. (with C-60 cassette)

Frequency Response: DOLBY NR OFF

With TYPE IV cassette (Sony METALLIC)

30-17,000 Hz ±3 dB

30–17,000 Hz (±3 dB, 0 VU recording) 20–19,000 Hz With TYPE III cassette (Sony DUAD) 30–17,000 Hz ±3 dB (NAB) 30–17,000 Hz ±3 dB (DIN)

20-19,000 Hz

With TYPE II cassette (Sony UCX) 30–16,000 Hz ±3 dB (NAB) 30–16,000 Hz ±3 dB (DIN) 20–18,000 Hz With TYPE I cassette (Sony BHF)

30-15,000 Hz ±3 dB (NAB)

30-15,000 Hz ±3 dB (DIN)

20-17,000 Hz

- Continued on page 2 -



SERVICE MANUAL

Signal-to-noise ratio (NAB, at peak level):

Dolby NR switch Cassette	OFF	B-TYPE-ON	C-TYPE-ON
TYPE IV (Sony METALLIC)	59 dB	66 dB	72 dB
TYPE III (Sony DUAD)	60 dB	67 dB	73 dB
TYPE II (Sony UCX)	58 dB	65 dB	71 dB
TYPE I (Sony BHF)	54 dB	61 dB	67 dB

Total Harmonic

Distortion:

1.0 % (Sony DUAD and METALLIC)

inputs:

Microphone inputs (phone jacks) Sensitivity 0.25 mV

For a low-impedance microphone Line inputs (phono jacks) Sensitivity 77.5 mV (50 k Ω)

Outputs:

Line outputs (phono jacks)

Output level 0.44 V at load impedance

50 kΩ

Load impedance over 10 kΩ

Headphone output

Output level 0.43 mW at load impedance

32 Ω

US, Canadian model: AC 120 V, 60 Hz

AEP model: AC 240, 60 Hz

UK model: AC 220, 60 Hz

E model: AC: 110, 120, 220, 240 - 50/60 Hz

Power Consumption:

Power Requirements:

AC 26 W

Dimensions:

Approx. $430(w) \times 105(h) \times 275(d)$ mm $16\frac{7}{8}(w) \times 4\frac{1}{8}(h) \times 10\frac{3}{4}(d)$ inches

including projecting parts and controls

Weight:

Approx. 5.5 kg (12 lbs 3 oz)

0 dB = 0.775 V

Tana Transport	Machanism	TCM-110V13
Tabe Transport	MACHIGITISH	I CIVITION IS

FEATURES

Dolby NR C-type noise reduction system

In addition to the conventional B-type Dolby NR system, the TC-FX77 employs the newly-developed C-type Dolby NR system which reduces tape noise twice as effectively as the B-type system. The C-type system also incorporates an anti-saturation network to improve the high-frequency dynamic range by 4 dB at 10 kHz.

Newly-developed LA (Laser Amorphous) head

The record/playback head is made of a special amorphous magnetic alloy developed by Sony, and its cores are solidly welded by laser. This new highly-durable head provides a wider dynamic range and a more extended frequency response, especially in the high-frequency range. The head is designed to take full advantage of the potential of the metal tapes.

Digital linear counter

This counter indicates the recording or playback time elapsed on the tape so that the tape can be precisely indexed. While conventional displays can only indicate the elapsed recording time, this display can indicate with a minus sign how much recording time remains.

Tape programming functions

The AMS (Automatic Music Sensor), Memory, Repeat and Ending Control functions allow you to program the tape deck operation as you desire.

AMS: for locating the beginning of a selection on the tape.

Memory: for easily locating any point on the tape. Repeat: for repeating any selection any number of times.

Ending control: for stopping the tape after playing a paticular number of selections.

Full-logic "feather-touch" operation

At the slightest touch, the "feather-touch" function buttons which control a microprocessor enable you to switch directly from one mode to another without going through the stop mode.

Bright 16 segment peak program meters and widescale REC_LEVEL (recording level) controls

The peak program meters follow the transient peaks of the music and maintain the peak readings for about 4 seconds. This double indication and the wide-scale REC LEVEL controls make it easy to set critical recording levels precisely.

Timer-activated recording and playback

A timer switch is provided to turn the deck on and off any number of times at preset times determined by an optional timer.

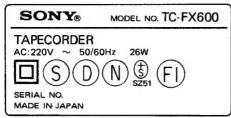
Remote control operation

Using the optional RM-50 or RM-80 remote control unit, various operations—recording, playback, record muting operation, etc.— can be remotely controlled.

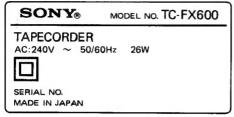
When the RM-65 synchro remote control unit is used to connect this cassette deck with a turntable equipped with a synchro remote control jack or a TC-PB5 stereo cassette player, the operation of the cassette deck and the turntable or TC-PB5 will be synchronized.

MODEL IDENTIFICATION

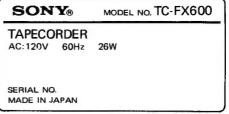
- Specification Label -



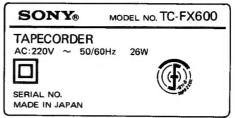
AEP model



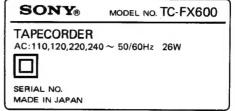
UK model



US, Canadian model



G-AEP model



E model

SAFETY CHECK-OUT (US Model)

After correcting the original service problem, perform the following safety check before releasing the set to the customer:

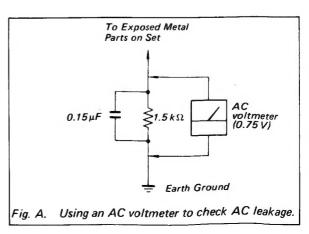
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

- A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
- A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.

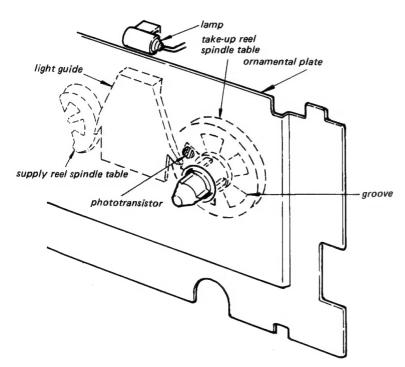
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

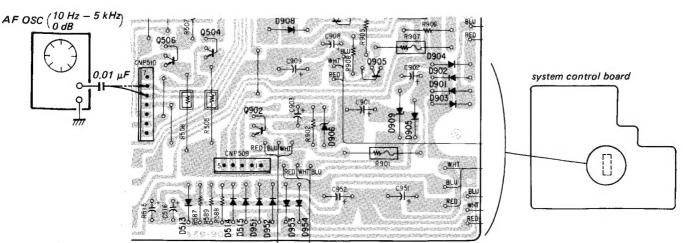


CAUTION ON REPAIRING AND SHUT-OFF DETECTION

This set performs the shut-off detection optically. There are five grooves on each reel table, the lamp light being transmitted with light guide on the back of the ornamental plate is to the phototransistor intermittently by the rotation of reel table.

Phototransistors Q802, 803 produce pulse waves by intermittent lights, which is input to mechanism controller of IC501 and the AMS counter of IC502 after shaped at IC507. Therefore, when it is necessary to repair by removing the ornamental plate, set the oscillator temporarily to the each input terminal of IC507 (input pattern on MD board or terminal 5, 6 of CNP510 on the system control board) not to operate the auto shut-off.

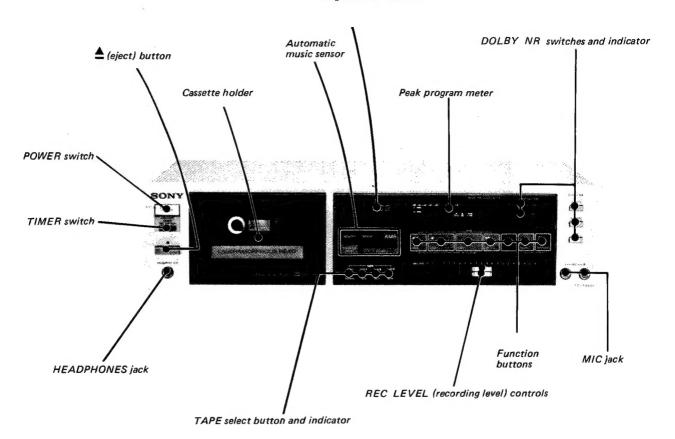




SECTION 1 OUTLINE

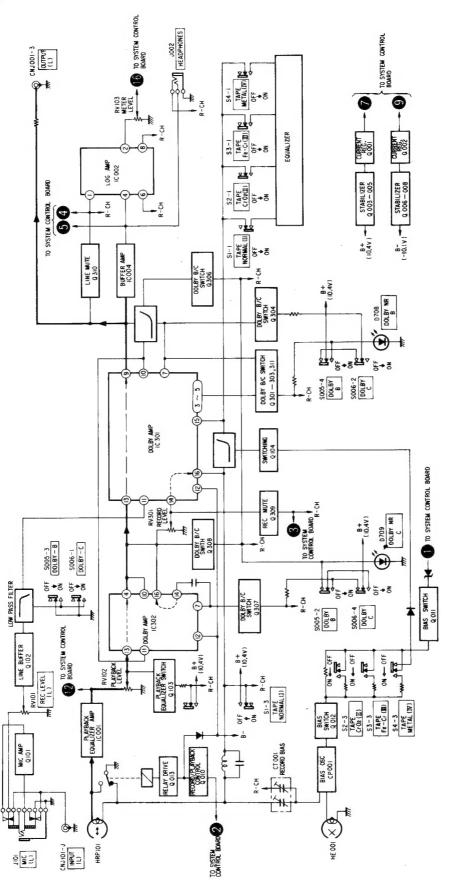
1-1. FUNCTION OUTLINE OF CONTROLS

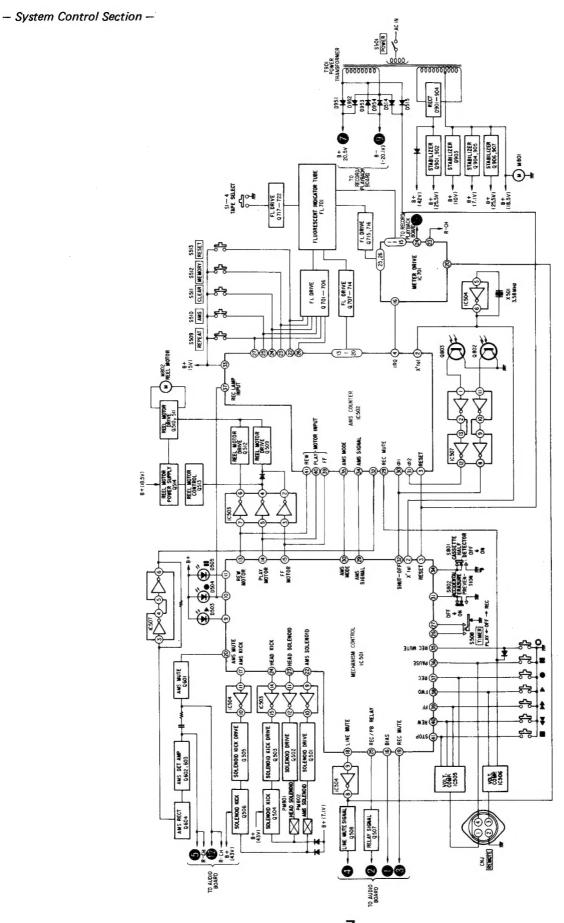
Degital linear counter



1-2. BLOCK DIAGRAM

- Audio Section -



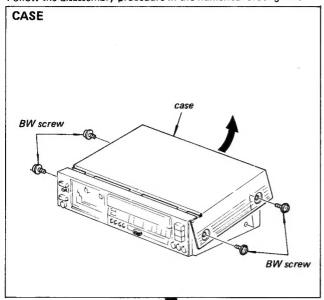


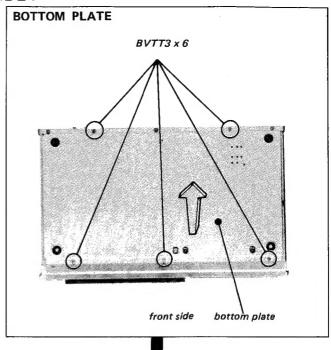
SECTION 2

DISASSEMBLY

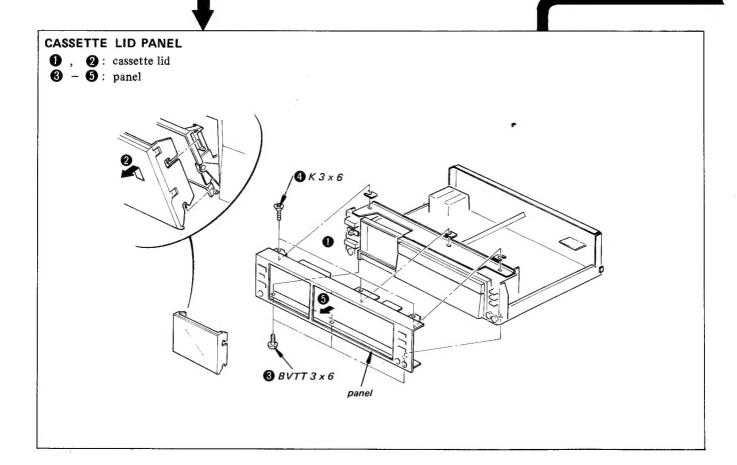
2-1. REMOVAL

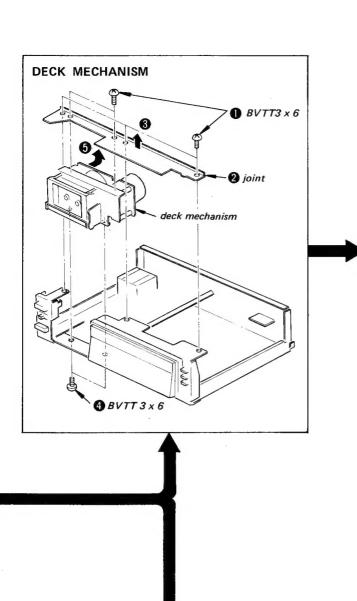
Follow the disassembly procedure in the numerical order given.





The conductor side of RECORD/PLAYBACK board and SYSTEM CONTROL board can be checked.

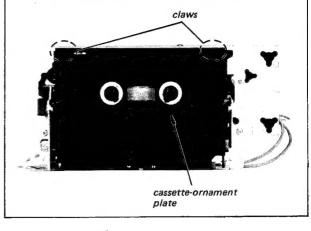


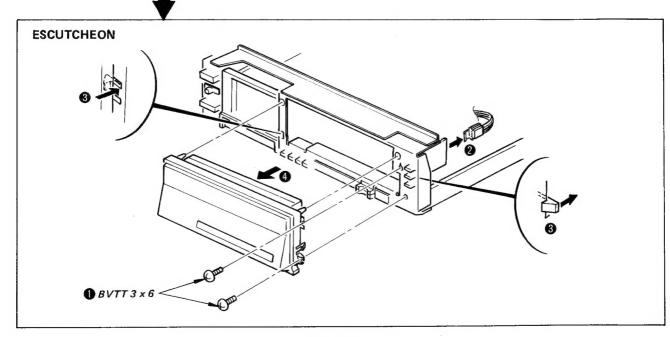


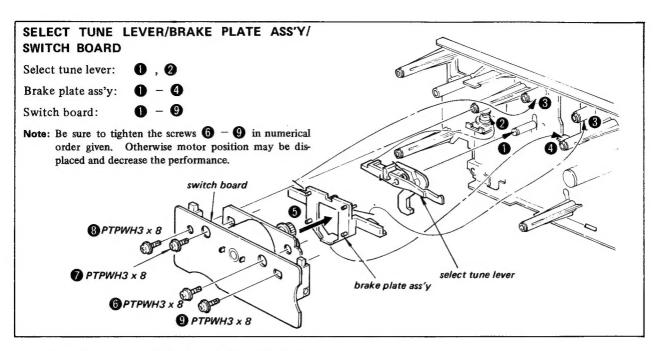
CASSETTE-ORNAMENT PLATE

Note: This set uses a newly-developed cassette-ornament plate. This plate does not need screws to be installed. So no care is exersised about the screws in this platemounting system.

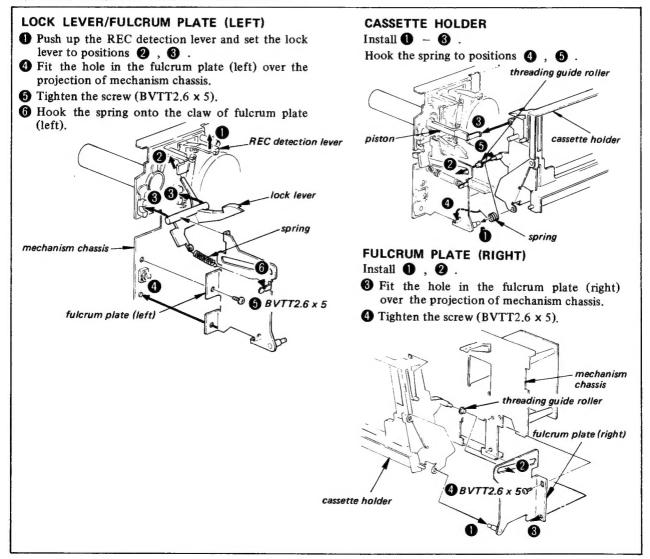
- 1 Press the ejection button and open the cassette lid.
- 2 Remove the cassette lid. Remove the tape cassette from the cassette holder if any.
- 3 Release the two claws from the cassette-ornament plate at both top corners.
- 4 Depress the two slide-switch levers at the inside of the set and remove the cassette-ornament plate.
 - (Alternatively, push the two slide-switch levers up from inside of the cassette compartment, and remove the cassette-ornament plate.)
- 5 When reinstalling the cassette-ornament plate, perform the steps in a reverse manner.







NOTE ON CASSETTE HOLDER INSTALLATION



SECTION 3 **ADJUSTMENTS**

3-1. MECHANICAL ADJUSTMENTS

PRECAUTION

1. Clean the following parts with a denaturedalcohol-moistened swab:

> record/playback head erase head

capstan

pinch roller rubber belts

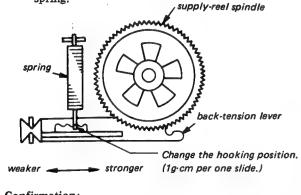
idlers

- 2. Demagnetize the record/playback head with a head demagnetizer.
- 3. Do not use a magnetized screwdriver for the adjustments.
- 4. After the adjustments, apply suitable locking compound to the parts adjusted.
- 5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

Torque Measurement and Back Tension **Torque Adjustment**

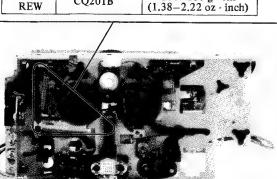
•	Torque	Torque meter	Meter reading		
	Forward	CQ-102C	30-60 g · cm (0.41-0.83 oz · inch)		
	Back tension	CQ-102C	$2.5-4.5 \text{ g} \cdot \text{cm}$ (0.04-0.06 oz · inch)		

2. If the specified back-tension torque is not obtained, change the hooking position of the spring.



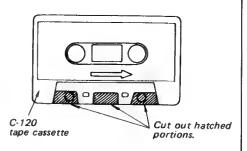
Confirmation:

Torque	Torque meter	Meter reading
FF REW	CQ201B	100-160 g · cm (1.38-2.22 oz · inch)

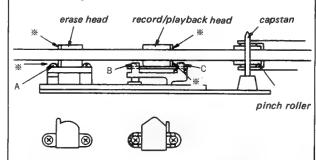


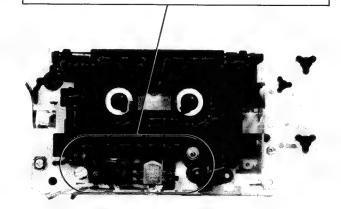
Head Height Adjustment

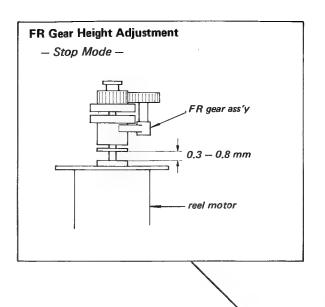
1. Prepare an adjustment cassette as shown below.

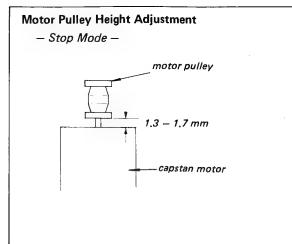


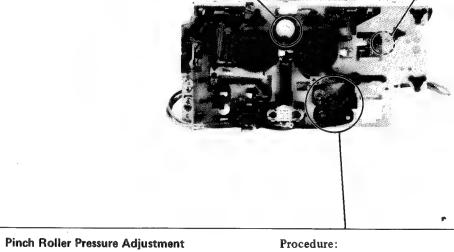
- 2. In playback mode and viewing from the front, adjust the head heights by using the adjustment screw A, B, C, to eliminate tape curl and tape twist at portions shown by arrow (*).
- 3. a) Remove the tape curl at the erase head guides by turning the screw A.
 - b) Remove the tape curl at the record/playback head guides by turning the screws B and C by the same amount of angle in the same direction.
 - c) After the adjustment, apply suitable locking compound to the screws.

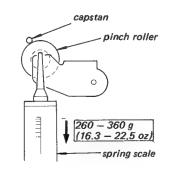












- 1. Clean the pinch roller and the capstan.
- 2. Set the unit to the forward mode. Measure the pinch roller pressure by using the spring scale. Read the spring scale just when the pinch roller stops rotating without contacting the capstan.

3-2. ELECTRICAL ADJUSTMENTS

Note: The adjustment should be performed in the order given in this service manual. The adjustments should be performed for both L-CH and R-CH.

• Set the TAPE switches according to the tape as follows.

Tape	TAPE switch
CS-10	TYPE I
CS-25	TYPE II
CS-30	TYPE III
CS-40	TYPE IV

• Switches and controls should be set as follows unless otherwise specified.

DOLBY NR switch:

OFF

TAPE switch: TIMER switch: TYPE I OFF

• Standard Record:

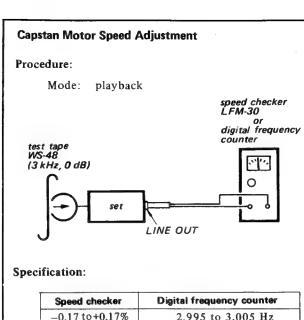
Deliver the standard input signal level to the input jack and set the REC LEVEL control to obtain the standard output signal level.

Standard Input Level

	MIC	LINE IN
source impedance	300Ω	10kΩ
input level	0.77mV (-60dB)	0.25V (-10dB)

Standard Output Level

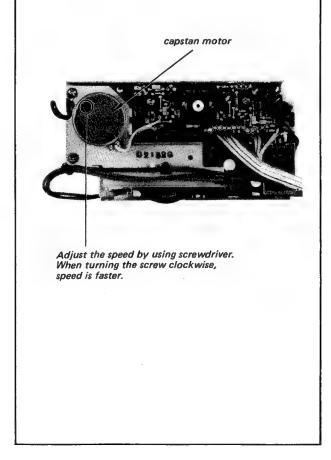
	HEADPHONES	LINE OUT
load impedance	8Ω	47kΩ
output level	31 mV (-26dB)	0.435V (-5dB)

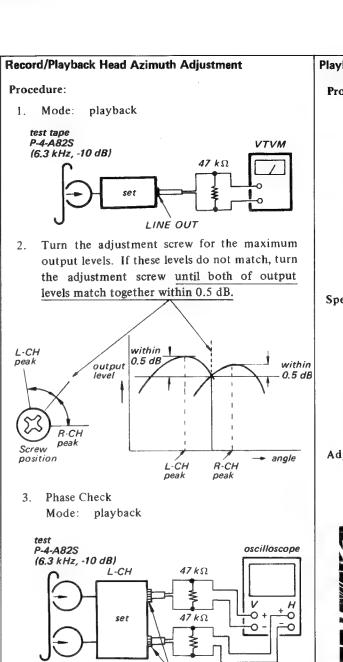


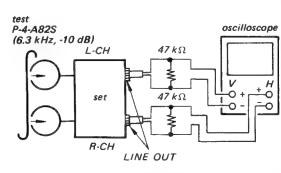
-0.17 to+0.17% 2.995 to 3.005 Hz

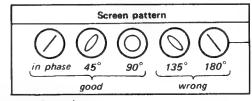
Frequency difference between the beginning and the end of the tape should be within 1 % (30 Hz).

Adjustment Location:

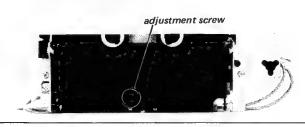








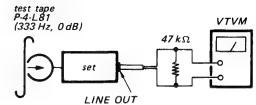
Adjustment Location:



Playback Level Adjustment

Procedure:

Mode :playback



Specification:

LINE OUT level: 0.44 to 0.49 V

(-4.9 to 3.9 dB)

Level difference between channels:

less than 0.5 dB

Check that the LINE OUT level does not change in playback mode while changing the mode from playback to stop several times.

Adjustment Location:

- record/playback board -



Record Bias Adjustment

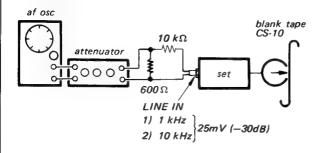
Setting:

REC LEVEL control: standard record

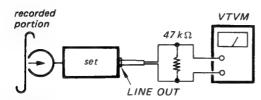
(See page 13)

Procedure:

1. Mode: record



2. Mode: playback



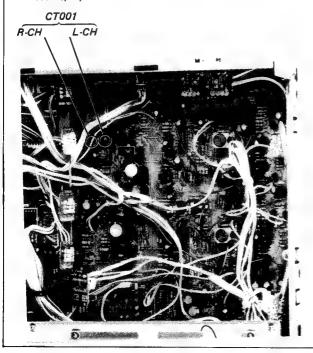
Adjust CT001 (L-CH), (R-CH) so that the LINE OUT level of 10 kHz signal is 0 dB relative to that of 1 kHz.

Specification:

 $0 dB \pm 0.5 dB$

Adjustment Location:

- record/playback board -



Record Level Adjustment

Setting:

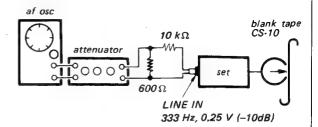
REC LEVEL control:

standard record

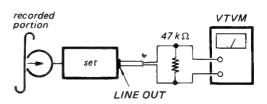
(See page 13)

Procedure:

1. Mode: record



2. Mode: playback

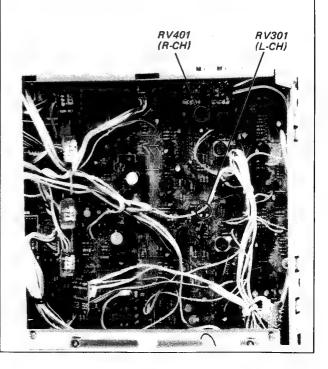


Specification:

LINE OUT level: 0.41 to 0.46 V (-5.5 to -4.5 dB)

Adjustment Location:

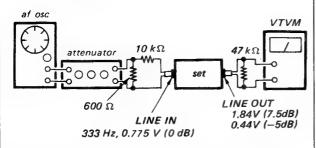
- record/playback board -



LEVEL METER ADJUSTMENT

Procedure:

1. Mode: record



- 1. Set the REC LEVEL control so that the LINE OUT level is +6.5 dB.
- 2. Adjust RV103 (L-CH) and RV203 (R-CH) so that the LBDs including 8 dB (right-most element) light up.
- 3. Set the REC LEVEL control so that the LINE OUT level is $-5~\mathrm{dB}$. Make sure that LED meter indicates $-4~\mathrm{dB}$ (0 VU).

Note: Slide the REC LEVEL control rightward slowly. (Be careful to peakhold indication.)

Adjustment Location:

- record/playback board -



TERMINAL NAME, WAVEFORM AND OPERATING VOLTAGES OF IC501					
PIN No.	WAVEFORM OR VOLTAGES	PIN No.	WAVEFORM OR VOLTAGES	PIN No.	WAVEFORM OR VOLTAGES
1	GND (Ground)	16	BIAS 4.8 V		Shut-Off Signal 5.2 V
	Xtal Signal		AMS-Kick Drive Signal -0.25 sec	32)	tape end auto shut-off 0.3 sec Stopped at tape end in forward mode. (May become 0 V after shut-off
2	5.2 V	17)	STOP mode 4.8 V	33	depending on the position of take-up reel table.) Counter 4.8 V Cassette Half Det
			REW or FF mode	(34)	With cassette: 4.8 V Without cassette: 0 V
3	Reset Signal 4.6 V	18	LINE-Muting Drive Signal REC/PLAY mode: 0 V STOP mode: 4.8 V	(35)	REC-Muting Switch Input 4.9 V 0.4 V
4	IRQ 5 V	19	REC-Muting Drive Signal REC mode: 0.1 V STOP mode: 1.6 V	9	REC-muting button kept pressed
5	Not used	20	AMS Muting Drive Signal 0.6 V	(36)	PAUSE Switch Input 4.8 V 0.2 V
6	S1 Signal 4.9 V	21)	GND (Ground)	0	Pause button kept pressed.
7	<u>SC/TO</u> 5 V	22	AMS Solenoid Drive Signal REW/FF mode: 0 V STOP mode: 5 V		REC Switch Input
8	TC 5 V	23	Head-Solenoid Drive Signal	(37)	REC button kept pressed
9	PLAY Lamp Drive Signal PLAY mode: 0.3 V STOP mode: 3.4 V		Head-Kick Drive Signal → ← 0.25 sec		PLAY Switch Input 4.9 V
10	REC Lamp Drive Signal REC mode: 0.2 V STOP mode: 4.8 V	24	STOP mode 4.8 V	(38)	PLAY button kept pressed
11)	PAUSE Lamp Drive Signal PAUSE mode: 0.3 V STOP mode: 3.5 V	25	REC/PB Relay Drive Signal REC mode: 0 V STOP mode: 4.8 V	39	FF Switch Input — 4.8 V — 0.4 V
12	Not used	26	Timer Signal Timer Switch OFF mode: 4.8 V PLAY mode: 0 V		FF button kept pressed
13	REW-Motor Drive Signal REW mode: 0 V STOP mode: 4.8 V	27	Timer Signal Timer Switch OFF mode: 4.8 V REC mode: 0 V	40	### REW Switch Input
		28	3H/2H 4.8 V		REW button kept pressed
14)	PLAY-Motor Drive Signal PLAY mode: 0 V STOP mode: 4.8 V	29	AMS Operating Signal STOP mode: 4.8 V		STOP Switch Input 4.4 V
	FF-Motor Drive Signal	30	AMS Mode Signal ON mode: 0.05 V OFF mode: 4.8 V	(41)	0 V
15)	FF mode: 0 V STOP mode: 4.8 V	31)	Accidental Erasure With cassette: 4.8 V Without cassette: 0 V	42	STOP button kept pressed B + Supply Voltage DC 5 V

-17-

Note: Voltage readings on this list are measured by oscilloscope with 10 MΩ probe. Therefore the readings are a little different from those measured by VOM on the schematic and mounting diagrams.

	TERMINAL NAME, WAVEFORM AND OPERATING VOLTAGES OF IC502					
PIN No.	WAVEFORM OR VOLTAGES	PIN No.	WAVEFORM OR VOLTAGES	PIN No.	WAVEFORM OR VOLTAGES	
1	GND (Ground)	5	S0 4.9 V	21)	GND (Ground)	
	Xtal Signal 0.3 μsec	6	S1 5 V	22	Drive Signal for Grids G1 through G6 of Fluorescent Display Tube In OFF mode of the each AMS Switch.	
2	5.2 V	7	SC/TO 5 V	(3) (4) (5)	5.2 msec	
		8	TC 5 V	(25) (36)		
3	Reset Signal	9	Not used	27		
	IRQ Signal ———————————————————————————————————	10	Not used	(28) (29)	REC MUTE 4.8 V	
4	5 V	11)	Not used	30	φ1 or φ2 — Signal Input from Photo Transistors	
	0.73 msec	12	Not used (counter)	(φ1)	FF, REW mode: 5 Vp-p	
	Drive Signal for "a" Segment of Fluorescent Display Tube 1) In case of all six "a" segments are not lit, i.e., all of the six digits are "1" or "4", or display of the counter section is "1"			(g1) (φ2)	Pulse width varies according to tape take-up. (STOP mode: 5 V DC or 0 V according to the relative positions of photo transistors and reel table.)	
	or "4" without the AMS and REPEAT. 2) In case of one of "a" segments is lit, i.e., one out of six digits is "0", "2", "3", "5", "6", "7", "8", or "9", and all others are "1" or "4".		25 Vp-p	p (32)	AMS Signal 0 V Switch 1 Signal	
(5)			33	Following waveform appears while AMS, REPEAT, MEMORY, CLEAR, or COUNTER switch is kept pressed.		
	3) In case of two "a" segments out of six digits are lit as in the case of 2) above. 4) In case of three "a" segments		25 Vp-p		4.4 Vp-p	
	out of six digits are lit as in the case of 2) above.		–	34)	AMS Signal Output 4.8 V	
	5) In case of all "a" segments are		25 Vp-p	35	AMS MODE 4.8 V	
	lit in the same way.		<u> </u>	36	Not used	
14)	Drive Signal for "b" Segments of Fluorescent Display Tube same as	18)	Drive Signal for "f" Segments of Fluorescent Display Tube same as terminal 13 for segments "a".	37	REC Lamp Input REC mode: 0.2 V STOP mode: 4.8 V	
-	terminal (13) for segments "a".	(19)	Drive Signal for "g" Segments of Fluorescent Display Tube same as	38)	PAUSE Lamp Input 4.8 V	
15	Drive Signal for "c" Segments of Fluorescent Display Tube same as terminal (13) for segments "a".		terminal (13) for segments "a". Drive Signal for "Dp" (dot) of	39	FF-Motor Input FF mode: 0 V STOP mode: 4.8 V	
	Drive Signal for "d" Segments of Fluorescent Display Tube same as		Fluorescent Display Tube Left Side Dot Blinking of (lit up Memory Dot	40	PLAY-Motor Input PLAY mode: 0 V STOP mode: 4.8 V	
(16)		20	(lit up Memory Dot constantly) (Right Side)	41)	REW-Motor Input REW mode: 0 V STOP mode: 4.8 V	
17)	Drive Signal for "e" Segments of Fluorescent Display Tube same as terminal 13 for segments "a".		25 Vp-p	42	B + Supply Voltage DC 5 V	

Semicone

	
PIN	,
No. 1	GN
	Xta
2	/
3	Res
	IRC
4	
	•
	Dri Flu 1)
	2)
5	3)
	4)
	5)
14	Driv Flui tern
15)	Dric Flui tern
16	Dri Flu terr
17)	Drie Flu terr

OR VOLTAGES

5.2 V

nd in forward mode. V after shut-off e position of e.)

itton kept pressed

n kept pressed.

n kept pressed

on kept pressed

kept pressed

n kept pressed

on kept pressed e DC 5 V

measured by oscillo-fore the readings are ured by VOM on the

__ 0.4 V

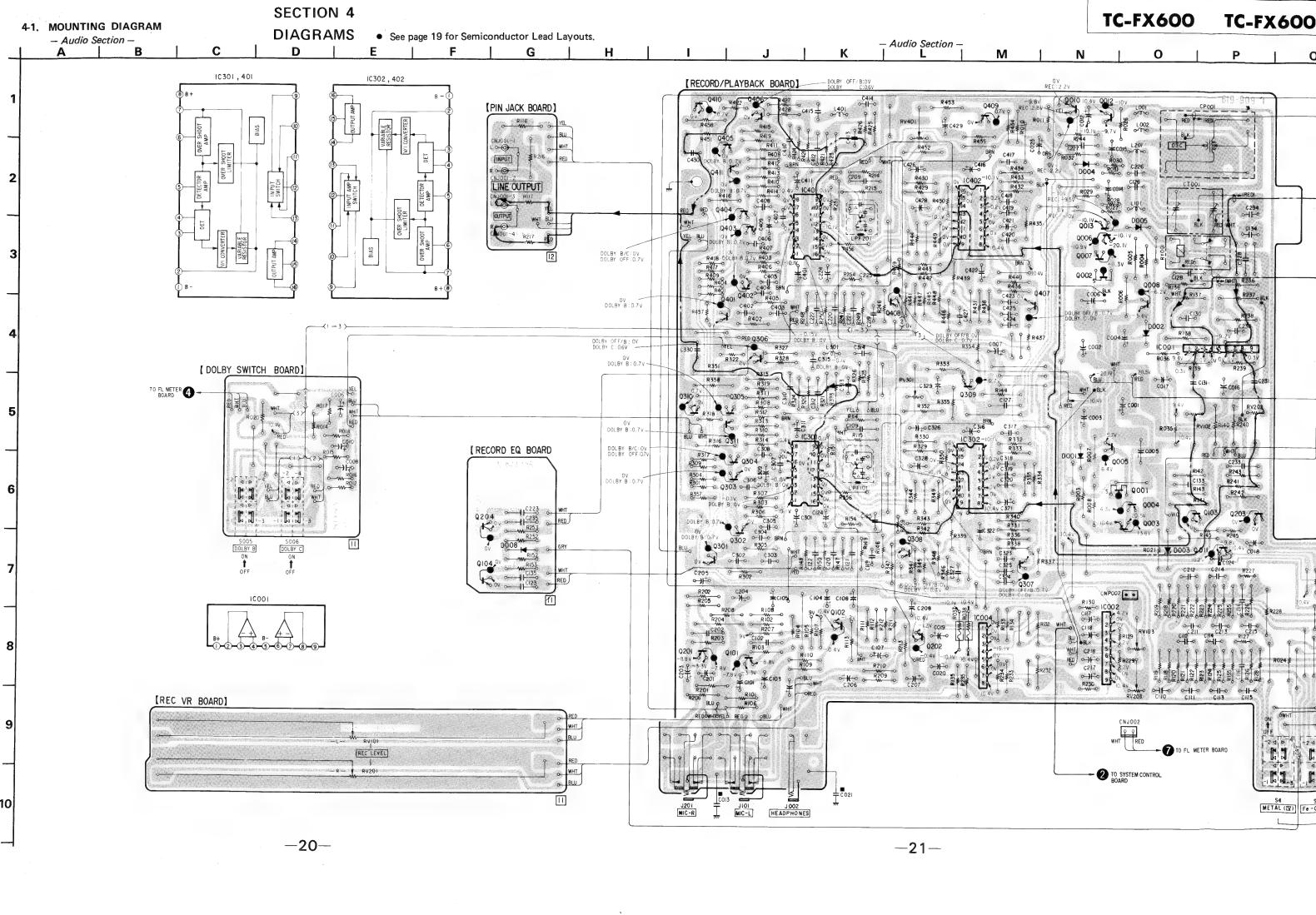
h Input

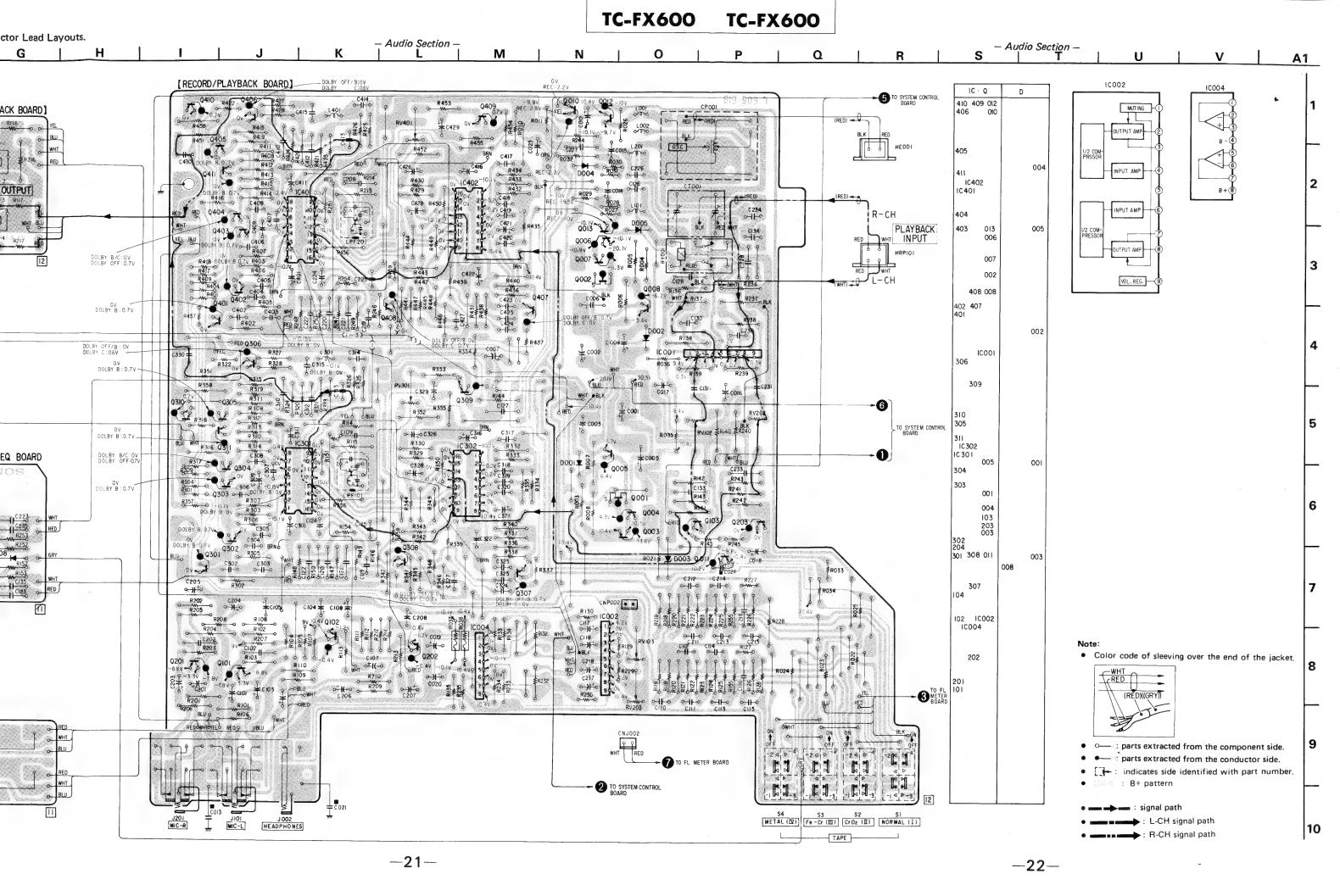
+2 sec + auto shut-off

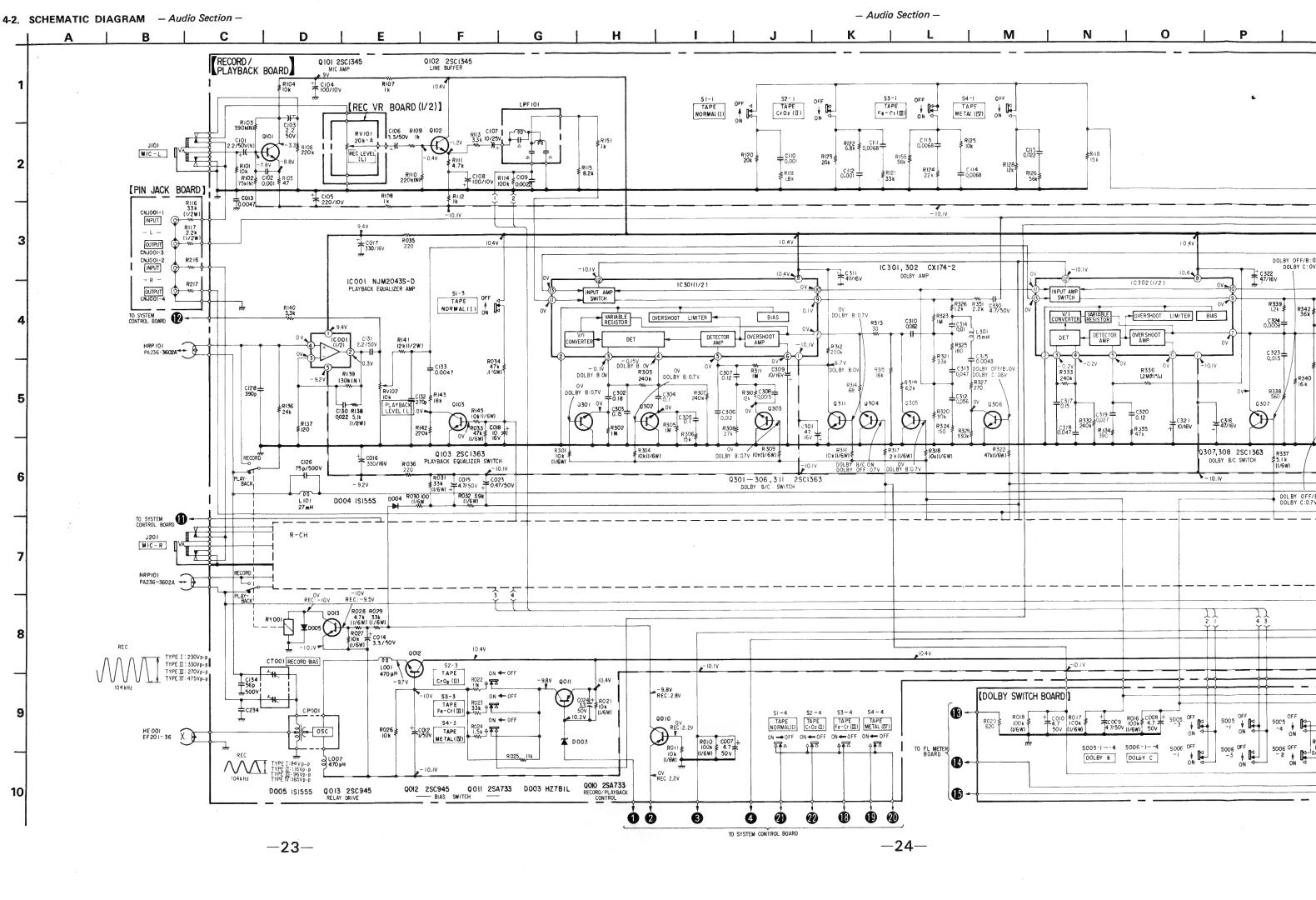
PIN		PIN	DRM AND OPERATING VOLTA	PIN	WAVEFORM OR VOLTAGES
No.	WAVEFORM OR VOLTAGES	No.	WAVEFORM OR VOLTAGES	No.	WAVEFORM ON VOLTAGES
1	GND (Ground)	5	SO 4.9 V	21)	GND (Ground)
	Xtal Signal 0.3 μsec .	6	S1 5 V	22	Drive Signal for Grids G1 through G6 of Fluorescent Display Tube In OFF mode of the each AMS Switch.
2	5.2 V	7	<u>SC/TO</u> 5 V	23 24 25	5.2 msec -> 25 Vp
_	V V I	8	TC 5 V	26 27	-0.85 msec
(3)	Reset Signal	9	Not used	(28)	
		10	Not used	(29)	REC MUTE 4.8 V
4	5 V	11)	Not used	(30)	φ1 or φ2 — Signal Input from Phi Transistors
	0.73 msec	12	Not used (counter)		
Fluorescent Display To	Drive Signal for "a" Segment of Fluorescent Display Tube 1) In case of all six "a" segments are not lit, i.e., all of the six digits are "1" or "4", or display	Ξ	0 V	31 (\$\phi 2)	Pulse width varies according to ta take-up. (STOP mode: 5 V DC or according to the relative position, photo transistors and real table.)
	of the counter section is "1" or "4" without the AMS and REPEAT.		25 Vp-p	32	AMS Signal 0 V
(-	2) In case of one of "a" segments is lit, i.e., one out of six digits is "0", "2", "3", "5", "6", "7", "8", or "9", and all others are "1" or "4".	-	25 Vp-p	33	Switch 1 Signal Following waveform appears whith AMS, REPEAT, MEMORY, CLE, or COUNTER switch is kept pres
(5)	3) In case of two "a" segments out of six digits are lit as in the case of 2) above. 4) In case of three "a" segments	, <u> </u>	25 Vp-p		4.4 1
	out of six digits are lit as in the case of 2) above.	***	1	34)	AMS Signal Output 4.8 V
	5) In case of all "a" segments are lit in the same way.		25 Vp-p	35)	AMS MODE 4.8 V
	iic iii tiie saine way.	ı		36)	Not used
14)	Drive Signal for "b" Segments of Fluorescent Display Tube same as terminal (13) for segments "a".	18	Drive Signal for "f" Segments of Fluorescent Display Tube same as terminal (13) for segments "a".	37	REC Lamp Input REC mode: 0.2 V STOP mode: 4.8 V
		(19)	Drive Signal for "g" Segments of Fluorescent Display Tube same as	(38)	PAUSE Lamp Input 4.8 V
15	Drive Signal for "c" Segments of Fluorescent Display Tube same as terminal (13) for segments "a".	9	terminal (13) for segments "a". Drive Signal for "Dp" (dot) of Fluorescent Display Tube	39	FF-Motor Input FF mode: 0 V STOP mode: 4.8 V PLAY-Motor Input
(16)	Drive Signal for "d" Segments of Fluorescent Display Tube same as		Left Side Dot Blinking of (lit up Memory Dot		PLAY mode: 0 V STOP mode: 4.8 V
	terminal (13) for segments "a".	20	constantly) (Right Side)	41)	REW-Motor Input REW mode: 0 V STOP mode: 4.8 V
17	Drive Signal for "e" Segments of Fluorescent Display Tube same as terminal (13) for segments "a".		25 Vp-p	42	8 + Supply Voltage DC 5 V

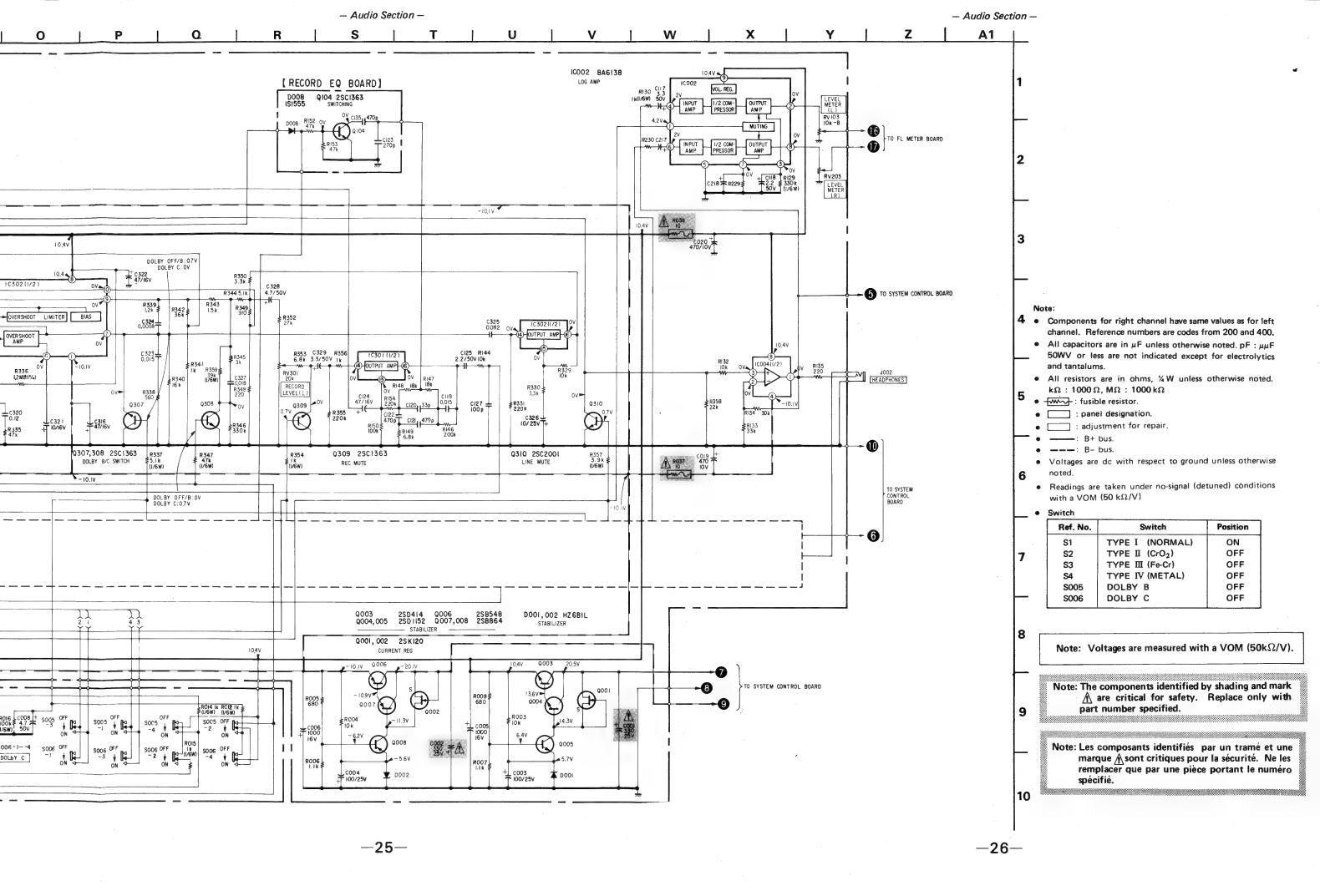
• Semiconductor Lead Layouts

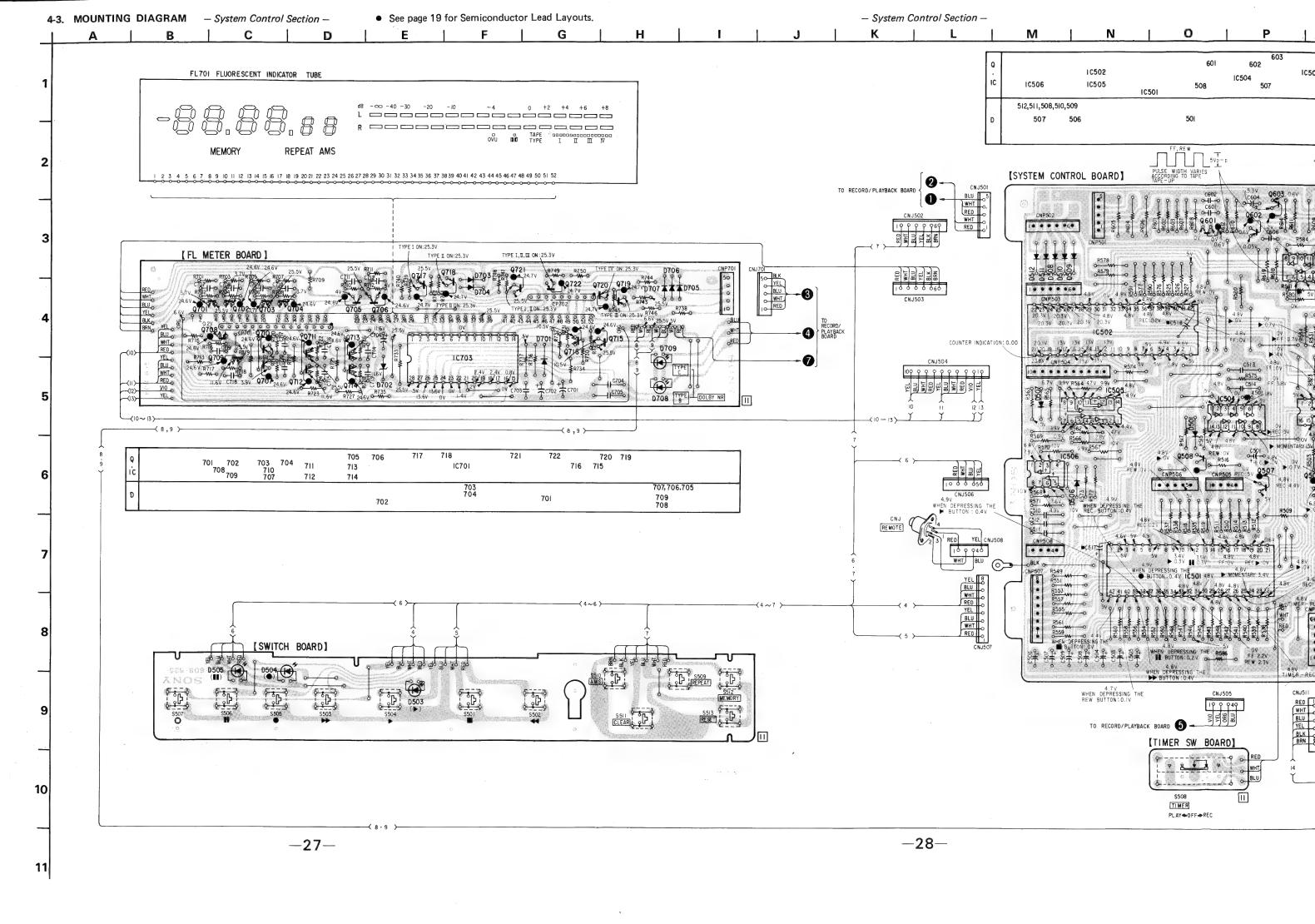
2SA733	2SD880	M5218L
2SA844 2SC945 2SC1345 2SC1363 2SC1364 2SC2001 2SD789 2SD1152	25K120	
		NJM2043S-D
E C B	G S D	cut /
2SA952	PH102	dot
BEC	c	11// 11
2SA1026 2SA1027R	E	10E2 10DF2 181555 EQB01-07 HZ6B1L
E C B	BA6138	HZ6C3L HZ7B1L HZ11B1L HZ20-1L HZ27-1L
2SB734 2SD774		cathode
E C B	CX174-2 MB84049B MB8843-590 MB8843-594	Fanode
2SB548	NJM2903D NJM4558S MSL9359RS	AA2222S AR2222S PG2222SX
2SD414 2SD809	MB84069B TC40H004P μPC339C	cathode
letter side	line or slit or dot 1200 m	anode
E C B	(Top view)	SEL1710K
		cathode

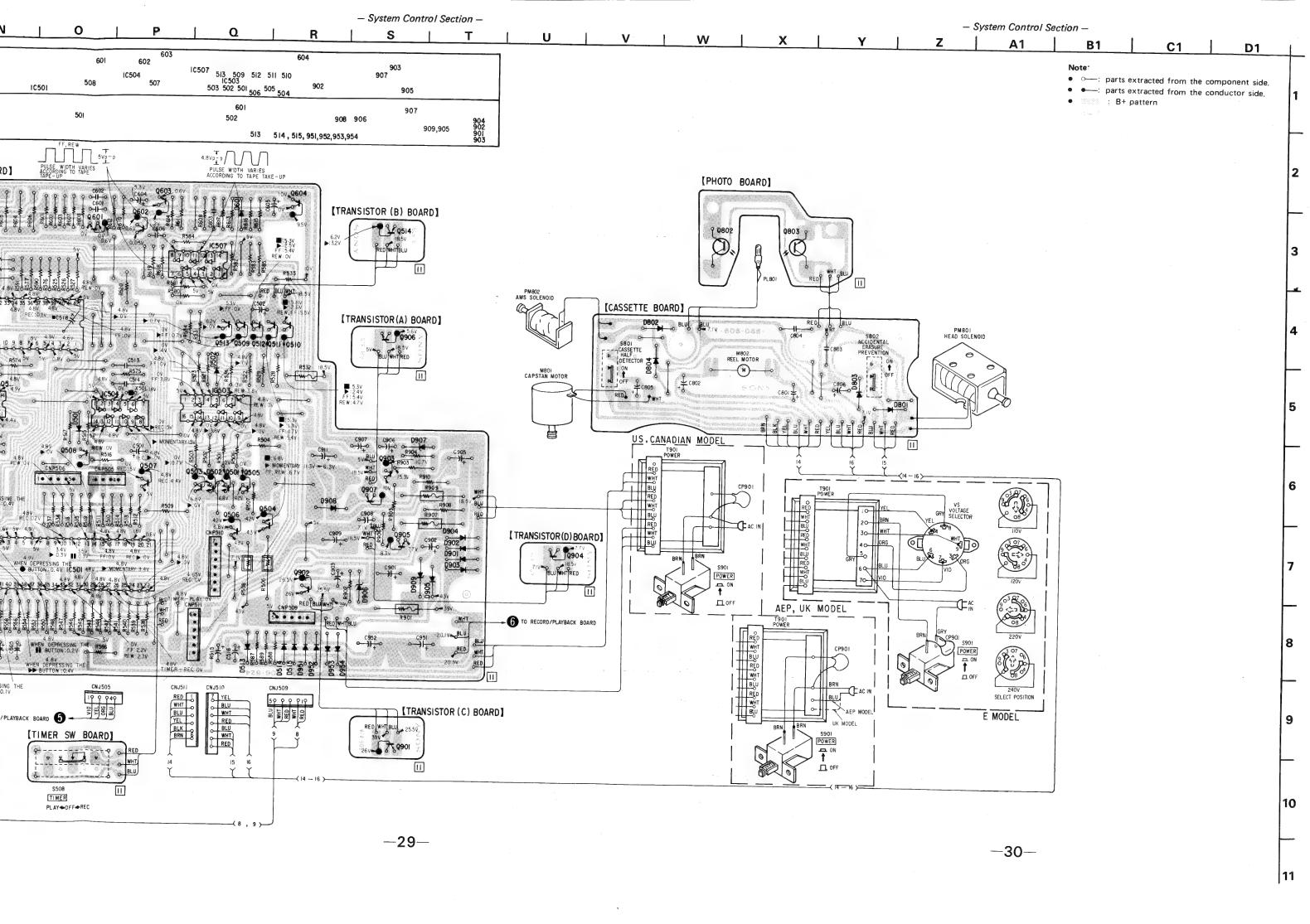


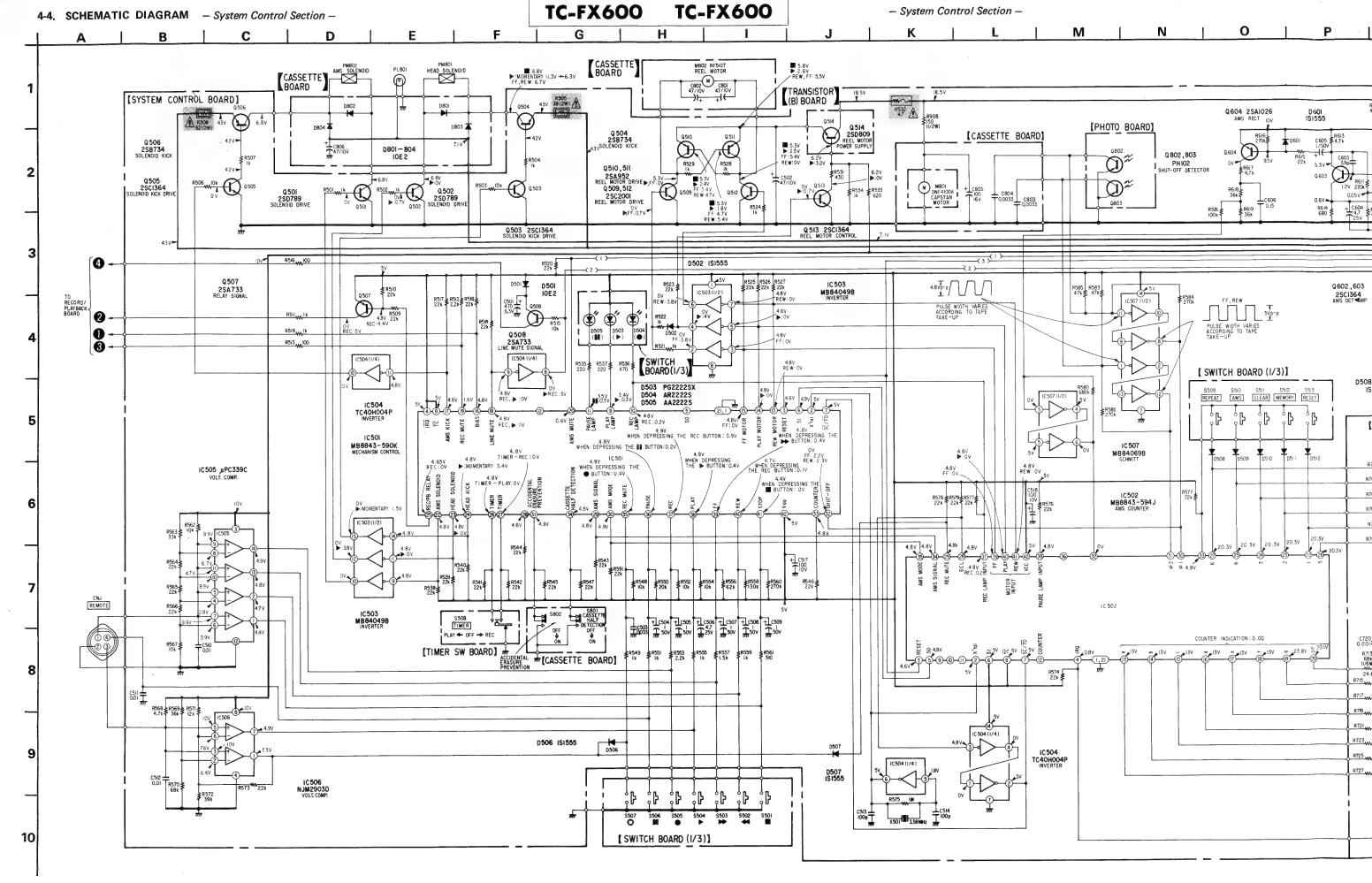


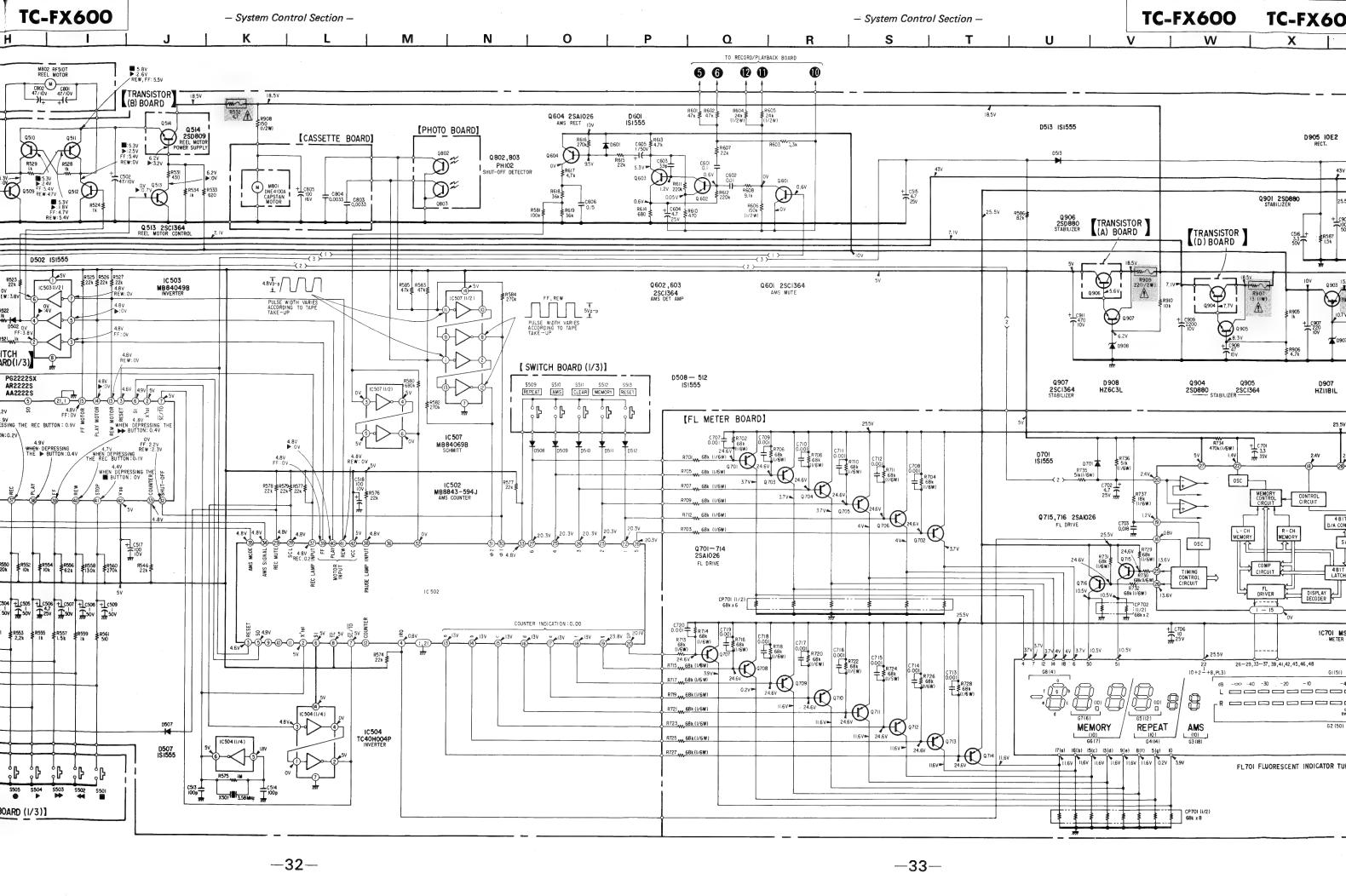


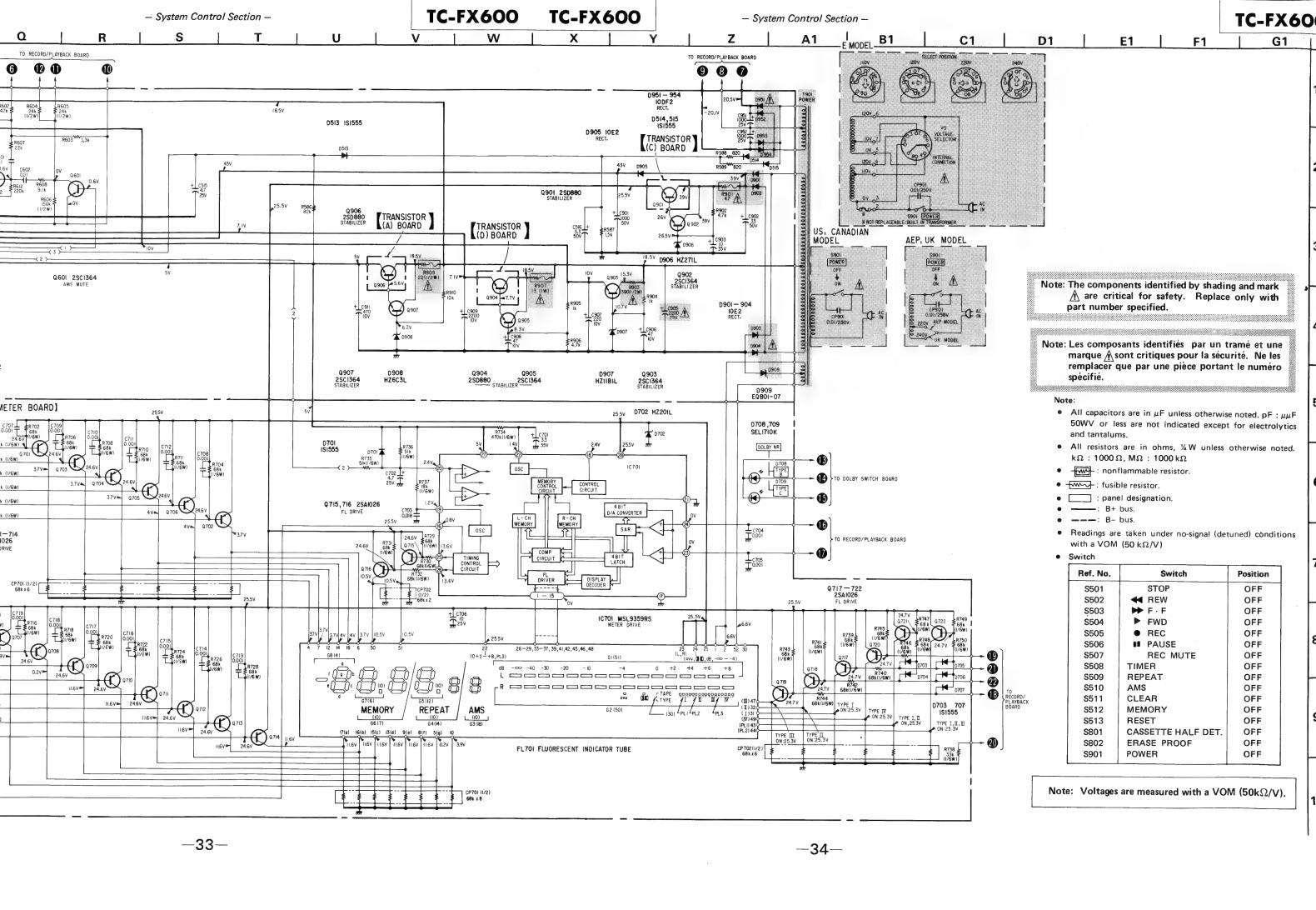






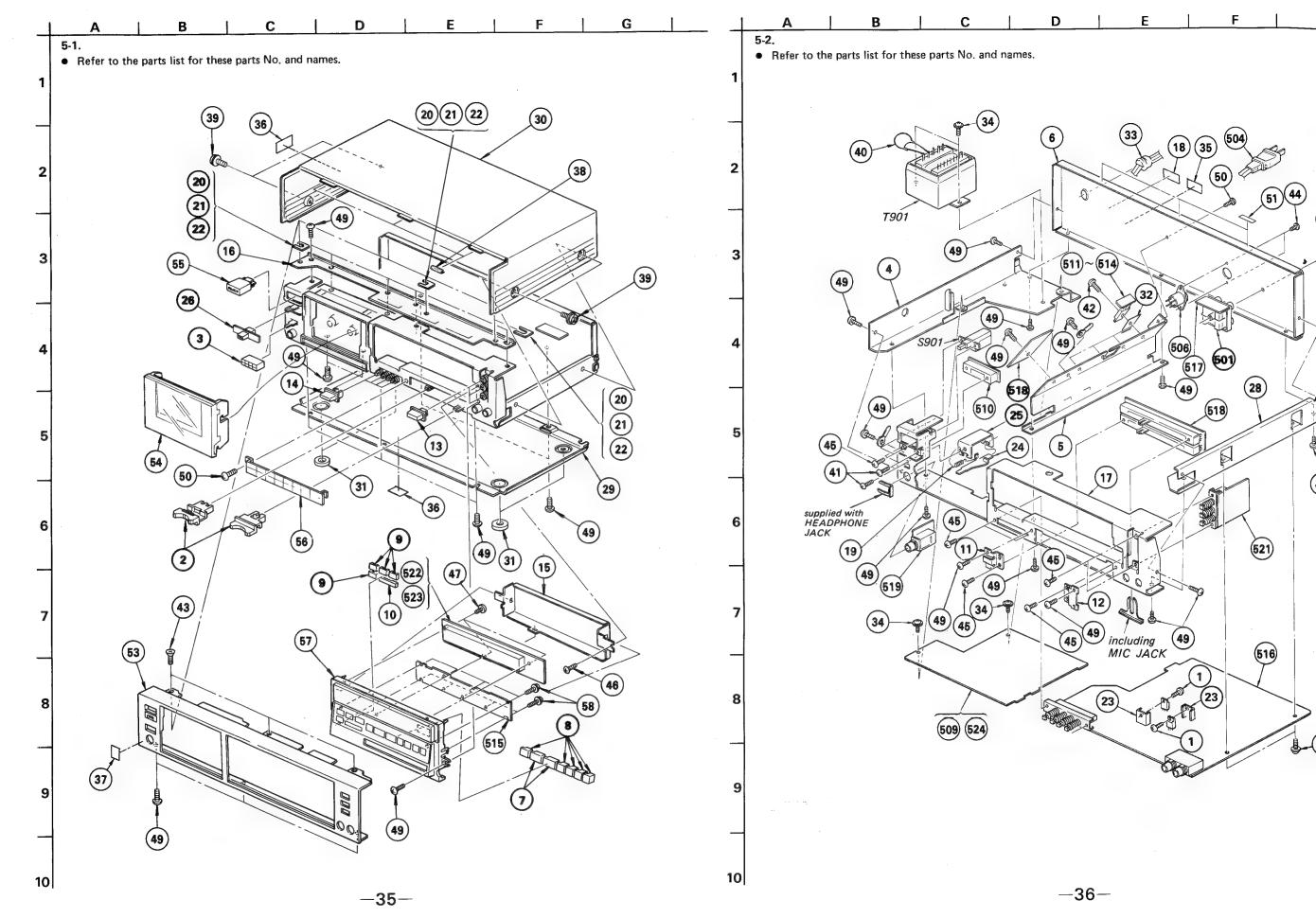


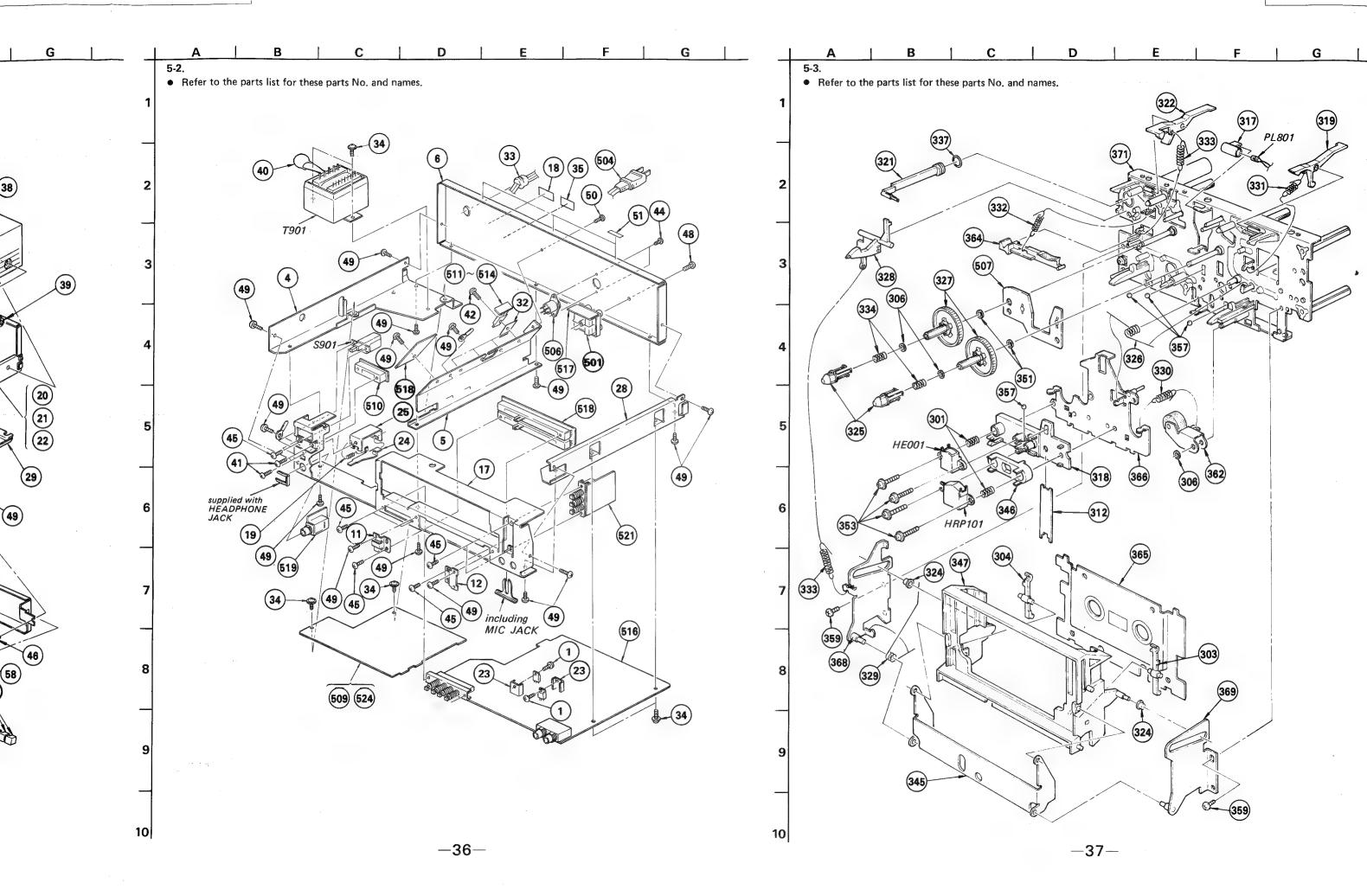


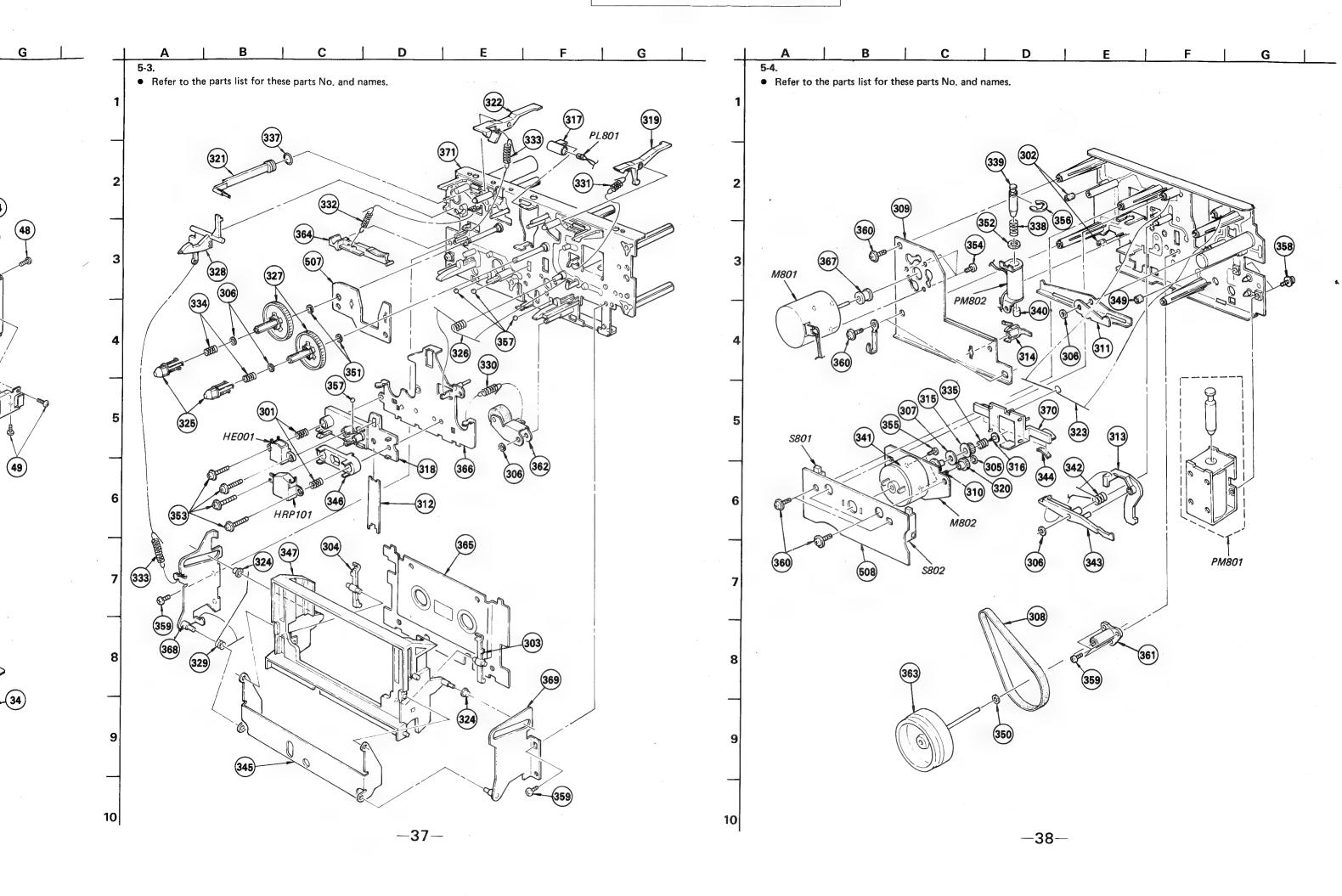


TC-FX600 TC-FX600

SECTION 5
EXPLODED VIEWS AND PARTS LIST







ELECTRICAL PARTS

Ref.No. Part No.	Description		Ref.No.	Part No.	Description			
512 • ;1-606-827-00 513 • ;1-606-828-00 514 • ;1-606-829-00	PC BOARD, TRANSISTOR (C	;)	C110 C111 C112	1-108-555-00 1-108-575-00 1-108-555-00	MYLAR MYLAR MYLAR	0.001MF 0.0068MF 0.001MF	5% 5% 5%	50V 50V 50V
515 4 ;1-608-525-00 516 4 ;1-608-629-00 517 4 ;1-608-630-00			C113 C114 C115	1-108-575-00 1-108-575-00 1-130-624-00	MYLAR MYLAR FILM	0.0068MF 0.0068MF 0.022MF	5% 5% 5%	50V 50V 50V
518 •;1-608-631-00 519 •;1-608-632-00 520 •;1-608-633-00	PC BOARD, REC VOL PC BOARD, HEADPHONE JAC PC BOARD, TAPE SELECT	:K	C117 C118 C119	1-123-354-00 1-123-353-00 1-130-622-00	ELECT ELECT FILM	3.3MF 2.2MF 0.015MF	20% 20% 5%	50V 50V 50V
521 6 ;1-608-634-00 522 6 ;1-608-635-00 523 6 ;A-2029-086-A 524 6 ;A-2056-199-A	PC BOARD, COUNTER METER MOUNTED PCB, FLT		C120 C121 C122	1-161-265-00 1-161-319-00 1-161-319-00	CERAMIC CERAMIC CERAMIC	33PF 470PF 470PF	5% 10% 10%	50V 50V 50V
C001 A. 1-123-335-00 C002 A. 1-123-335-00 C003 1-123-333-00	ELECT 3300F	20% 25V	C123 C124 C125	1-161-316-00 1-123-319-00 1-123-230-00	CERAMIC ELECT ELECT	270PF 47MF 2.2MF	10% 20% 20%	50V 16V 50V
C004 1-123-333-00 C005 1-121-245-00 C006 1-121-245-00	ELECT 100MF ELECT 1000MF	20% 25V 16V 16V	C126 C127 C128	1-107-167-00 1-161-271-00 1-161-318-00	MICA CERAMIC CERAMIC	75PF 100PF 390PF	5% 5% 10%	500V 50V 50V
C007 /1-123-369-00 C008 1-123-369-00 C009 1-123-369-00		20% 50V 20% 50V 20% 50V	C130 C131 C132	1-130-624-00 1-123-230-00 1-161-316-00	FILM ELECT CERAMIC	0.022MF 2.2MF 270PF	5% 20% 10%	50V 50V 50V
C010 1-123-369-00 C012 1-123-380-00 C013 1-161-328-00		20% 50V 20% 50V 30% 50V	C133 C134 C135	1-161-328-00 1-107-165-00 1-161-319-00	CERAMIC MICA CERAMIC	0.0047MF 56PF 470PF	30% 5% 10%	50V 500V 50V
C014 1-123-354-00 C015 1-123-369-00 C016 1-123-322-00	ELECT 3.3MF ELECT 4.7MF ELECT 330MF	20% 50V 20% 50V 20% 16V	C215 C221 C222	1-130-624-00 1-161-319-00 1-161-319-00	FILM CERAMIC CERAMIC	0.022MF 470PF 470PF	5% 10% 10%	50V 50V 50V
C017	ELECT 330MF ELECT 10MF ELECT 470MF	20% 16V 20% 16V 20% 10V	C228 C230 C235	1-161-318-00 1-130-624-00 1-161-319-00	CERAMIC FILM CERAMIC	390PF 0.022MF 470PF	10% 5% 10%	50V 50V 50V
C020 1-123-310-00 C023 1-123-351-00	ELECT 470MF ELECT 0.47MF ELECT 3.3MF	20% 10V 20% 50V 20% 50V	C301 C302 C303	1-123-319-00 1-130-635-00 1-130-634-00	ELECT FILM FILM	47MF 0.18MF 0.15MF	20% 5% 5%	16V 50V 50V
C101 (1-123-381-00 C102 (1-161-323-00 C103 1-123-353-00	ELECT 2.2MF CERAMIC 0.001MF ELECT 2.2MF	20% 50V 10% 50V 20% 50V	C304 C305 C306	1-130-632-00 1-130-632-00 1-130-621-00	FILM FILM FILM	0.1MF 0.1MF 0.012MF	5% 5% 5%	50V 50V 50V
C104 1-123-307-00 C105 1-123-308-00 C106 1-123-354-00	ELECT 100MF ELECT 220MF ELECT 3.3MF	20% 10V 20% 10V 20% 50V	C307 C308 C309	1-130-633-00 1-108-559-00 1-123-356-00	FILM MYLAR ELECT	0.12MF 0.0015MF 10MF	5% 5% 20%	50V 50V 16V
C107 1-123-356-00 C108 1-123-307-00	ELECT 10MF ELECT 100MF CERAMIC 0.0022MF	20% 25V 20% 10V 30% 50V	C310 C311 C312	1-130-631-00 1-123-319-00 1-130-629-00	FILM ELECT FILM	0.082MF 47MF 0.056MF	5% 20% 5%	50V 16V 50V
			C313 C314 C315	1-130-628-00 1-108-579-00 1-108-570-00	FILM MYLAR MYLAR	0.047MF 0.0068 MF 0.0043MF	5% 5% 5%	50V 50V 50V

NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- Items marked " & " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part numbers $(\Delta-\Delta\Delta\Delta-\Delta\Delta\Delta-XX$ or $\Delta-\Delta\Delta\Delta\Delta-\Delta\Delta\Delta-X)$ may be different from those used in the set

CAPACITORS:

All capacitors are in μF . Common capacitors are omitted. Refer to the following lists for their part numbers. MF: μF , PF: $\mu \mu F$.

RESISTORS

- 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.
- · F : nonflammable

COILS

· MMH : mH, UH : µH

The components identified by shading and mark A are critical for safety.

Replace only with part number specified.

Les composants identifiés par une trame et une marque sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

SEMICONDUCTORS

In each case, U : μ, for example: UA···: μΑ···, UPA···: μΡΑ···, UPC···: μPC, UPD···: μPD···

ELECTRICAL PARTS

Ref.No.	Part No.	Description				Ref.No.	Part No.	Description			
C316	1-123-319-00	ELECT	47MF	20%	16V	C602	1-130-620-00	FILM	0.01MF	5%	50V
C317	1-130-634-00	FILM	0.15MF	5%	50V	C603	1-161-254-00	CERAMIC	3.9PF	10%	50V
C318	1-130-628-00	FILM	0.047MF	5%	50V	C604	1-123-328-00	ELECT	4.7MF	20%	25V
C319	1-130-625-00	FILM	0.027MF	5%	50V	C605	1-123-380-00	ELECT	1MF	20%	50V
C320	1-130-633-00	FILM	0.12MF	5%	50V	C606	1-130-634-00	FILM	0.15MF	5%	50V
C321	1-123-356-00	ELECT	10MF	20%	16V	C701	1-123-613-00	ELECT	3.3MF	20%	35V
C322	1-123-319-00	ELECT	47MF	20%	16V	C702	1-123-616-00	ELECT	4.7MF	20%	25V
C323	1-130-622-00	FILM	0.015MF	5%	50V	C703	1-130-623-00	FILM	0.018MF	5%	50V
C324	1-108-575-00	MYLAR	0.0068MF	5%	50V	C704	1-161-323-00	CERAMIC	0.001MF	10%	50V
	1-130-631-00	FILM	0.082MF	5%	50V	C705	1-161-323-00	CERAMIC	0.001MF	10%	50V
	1-123-356-00	ELECT	10MF	20%	25V	C706	1-123-621-	ELECT	10MF	20%	25V
	1-130-623-00	FILM	0.018MF	5%	50V	C707	1-102-074-00	CERAMIC	0.001MF	10%	50V
C328	1-123-369-00	ELECT	4.7MF	20%	50V	C708	1-102-074-00	CERAMIC	0.001MF	10%	50V
C329	1-123-354-00	ELECT	3.3MF	20%	50V	C709	1-102-074-00	CERAMIC	0.001MF	10%	50V
C330	1-123-232-00	ELECT	4.7MF	20%	50V	C710	1-102-074-00	CERAMIC	0.001MF	10%	50V
C403	1-130-634-00	FILM	0.15MF	5%	50V	C711	1-102-074-00	CERAMIC	0.001MF	10%	50V
C404	1-130-632-00	FILM	0.1MF	5%	50V	C712	1-102-074-00	CERAMIC	0.001MF	10%	50V
C405	1-130-632-00	FILM	0.1MF	5%	50V	C713	1-102-074-00	CERAMIC	0.001MF	10%	50V
C406	1-130-621-00	FILM	0.012MF	5%	50V	C715	1-102-074-00	CERAMIC	0.001MF	10%	50V
C412	1-130-629-00	FILM	0.056MF	5%	50V		1-102-074-00	CERAMIC	0.001MF	10%	50V
C413	1-130-628-00	FILM	0.047MF	5%	50V		1-102-074-00	CERAMIC	0.001MF	10%	50V
C415	1-108-570-00	MYLAR	0.0043MF	5%	50V	C717	1-102-074-00	CERAMIC	0.001MF	10%	50V
C417	1-130-634-00	FILM	0.15MF	5%	50V	C718	1-102-074-00	CERAMIC	0.001MF	10%	50V
C418	3-130-628-00	FILM	0.047MF	5%	50V	C719	1-102-074-00	CERAMIC	0.001MF	10%	50V
C419	1-130-625-00	FILM	0.027MF	5%	50V	C720	1-102-074-00	CERAMIC	0.001MF	10%	50V
C427	1-130-623-00	FILM	0.018MF	5%	50V	C801	1-123-306-00	ELECT	47MF	20%	10V
C501	1-123-298-00	ELECT	470MF	20%	6.3V	C802	1-123-306-00	ELECT	47MF	20%	10V
C502	1-123-306-00	ELECT	47MF	20%	10V	C803	1-161-327-00	CERAMIC	0.0033MF	30%	50V
C503	1-130-626-00	FILM	0.033MF	5%	50V	C804	1-161-327-00	CERAMIC	0.0033MF	30%	50V
C504	1-123-380-00	ELECT	1MF	20%	50V	C805	1-123-320-00	ELECT	100MF	20%	16V
C505	1-123-380-00	ELECT	1MF	20%	50V	C806	1-123-306-00	ELECT	47MF	20%	10V
C506	1-123-328-00	ELECT	4.7MF	20%	25V	C901	1-123-364-00	ELECT	1000MF	20%	50V
C507	1-123-380-00	ELECT	1MF	20%	50V	C902	1-123-358-00	ELECT	33MF	20%	50V
C508	1-123-380-00	ELECT	1MF	20%	50V	C903	1-123-341-00	ELECT	10MF	20%	35V
C509	1-123-380-00	ELECT	1MF	20%	50V	C905 A	1-123-338-00	ELECT	2200MF	20%	25V
C510	1-161-330-00	CERAMIC	0.01MF	30%	25V	C906	1-123-306-00	ELECT	47MF	20%	10V
C511	1-161-330-00	CERAMIC	0.01MF	30%	25V	C907	1-123-308-00	ELECT	220MF	20%	10V
C512	1-161-330-00	CERAMIC	0.01MF	30%	25V	C908	1-123-306-00	ELECT	47MF	20%	10V
C513	1-161-271-00	CERAMIC	100PF	5%	50V	C909	1-123-312-00	ELECT	2200MF	20%	10V
C514	1-161-271-00	CERAMIC	100PF	5%	50V	C911	1-123-310-00	ELECT	470MF	20%	10V
C515	1-123-328-00	ELECT	4.7MF	20%	25V	C951	1-121-657-00	ELECT	1000MF		25V
C516	1-123-354-00	ELECT	3.3MF	20%	50V	C952	1-121-657-00	ELECT	1000MF		25V
C517 · C518 C601	1-119-352-00 1-119-352-00 1-130-632-00	ELECT ELECT FILM	100MF 100MF 0.1MF	5%	10V 10V 50V	♦ CNP002	;1-508-878-00 ;1-560-060-00 ;1-560-063-00	BASE POST PIN, CONNECTO PIN, CONNECTO			

NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- Due to standardization, parts with part numbers (Δ - $\Delta\Delta\Delta$ - $\Delta\Delta\Delta$ - $\Delta\Delta$ -XX or Δ - $\Delta\Delta\Delta\Delta$ - $\Delta\Delta\Delta$ -XX) may be different from those used in the set

CAPACITORS:

All capacitors are in μF . Common capacitors are omitted. Refer to the following lists for their part numbers. MF: μF , PF: $\mu \mu F$.

RESISTORS

- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.
- · F : nonflammable

COILS

· MMH : mH, UH : μH

The components identified by shading and mark Aare critical for safety.
Replace only with part number specified.

Les composants identifiés par une trame et une marque Asont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

SEMICONDUCTORS

In each case, U : μ, for example:
UA···: μΑ···, UPA···: μΡΑ···, UPC···: μΡC,
UPD···: μPD···

GENERAL SECTION

No. Part No.	Description
1 2-259-121-00	SCREW, TR
2 3-304-418-00	BUTTON, REC CONTROL
3 3-304-419-00	BUTTON, EJECT
4 \(\) ;3-304-423-00 5 \(\) ;3-304-429-00	PLATE, SIDE, LEFT PLATE, RELAY
6 •;3-304-422-31	(US,Canadian)PLATE, JACK
6 •;3-304-446-11	(AEP,UK)PLATE, JACK
6 •;3-304-447-11	(E)PLATE, JACK
7 •;3-309-902-00 8 •;3-309-903-00 9 •;3-309-904-00	BASE (A), CONTROL BUTTON BASE (B), CONTROL BUTTON BASE, AMS BUTTON
10 \(\) ;3-309-905-00 11 \(\) ;3-309-907-00 12 \(\) ;3-309-908-00	BASE, CLEAR BUTTON BRACKET (LEFT), CONTROL BRACKET (RIGHT), CONTROL
13 3-309-912-01	KNOB, PUSH
14 3-309-912-11	KNOB, PUSH
15 •;3-309-914-00	CASE, SHIELD
16 a ;3-309-919-00	JOINT
17 a ;3-309-920-00	CHASSIS, AMPLIFIER
18 3-309-925-00 18 3-309-926-00 18 3-309-927-00 18 3-309-928-00 18 3-309-929-00	(US,Canadian)LABEL, MODEL NUMBER (AEP)LABEL, MODEL NUMBER (G-AEP)LABEL, MODEL NUMBER (UK)LABEL, MODEL NUMBER (E)LABEL, MODEL NUMBER
19 3-534-238-XX	SPRING, TENSION
20 3-544-028-01	SPACER (t=0.3)
21 3-544-028-11	SPACER (t=0.5)
22 3-544-028-21	SPACER (t=1.0)
23 4;3-567-242-00	HEAT SINK
24 4;3-575-501-00	SLIDER, EJECT
25 6 ;3-575-502-00	BRACKET, EJECT
26 3-575-515-00	KNOB, SLIDE SWITCH
27 3-575-524-00	(US,Canadian)COVER, POWER SWITCH
28 4 ;3-575-529-11	PLATE, SIDE, RIGHT
29 3-575-538-00	PLATE, BOTTOM
30 3-575-539-00	CASE
31 3-576-731-00 32 3-703-037-00	FELT (H) INSULATOR, TO-220
33 3-701-682-00	(US,Canadian,E)STOPPER, CORD
33 3-703-244-00	(AEP,UK)BUSHING, CORD
34 3-703-486-00 35 4;3-703-677-00 36 4;3-703-680-00	+PTTWH 3X5 (US,Canadian)LABEL, CAUTION, MAIN, NEW UL (US)LABEL, CAUTION, SUB, NEW UL

GENERAL SECTION

No.	Part No.	Description
37 38 39	3-831-441-XX	STICKER, SONY SYMBOL (12) CUSHION SCREW, BW, PLUS MINUS
40 41 42	4-875-455-21 7-628-253-95 7-682-147-20	(AEP,UK,E)COVER (DIA.20), CAPASITOR SCREW +PS 2.6X4 SCREW +P 3X6
44	7-682-247-13 7-682-546-09 7-682-646-01	
46 47 48	7-685-534-19	TOTSU PTPWH 2X6 NON-SLIT, TYPE2 SCREW +BTP 2.6X8 TYPE2 N-S SCREW +BVTP 3X10 TYPE2 SLIT
	7-685-871-09	SCREW +BVTT 3X6 (S) SCREW +BVTT 3X6 (S) CUSHION, FILTER
53	9-911-846-XX A-2310-208-A A-2315-022-A	CUSHION PANEL ASSY, FRONT WINDOW ASSY, CASSETTE
56 57	X-3309-901-1	KNOB ASSY, POWER PLATE ASSY, ORNAMENTAL ESCUTCHEON ASSY PTPWH 2X6

ACCESSORY & PACKING MATERIAL

No.	Part No.	Description
101	1-551-734-11	CORD, CONNECTION (RK- 74A)
102	3-701-630-00	BAG, POLYETHYLENE
103 104 105	3-773-166-21 3-773-166-41 3-773-166-11	(US,Canadian)MANUAL, INSTRUCTION (AEP)MANUAL, INSTRUCTION (AEP,UK,E)MANUAL, INSTRUCTION
106	3-793-828-11	QUESTIONNAIRE
107	3-573-625-00	SHEET, POLYETHYLENE
108	X-3701-105-0	ROD ASSY, CLEANING, HEAD

NOTE:

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- Items marked " " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- · Due to standardization, parts with part numbers ($\Delta-\Delta\Delta\Delta-\Delta\Delta\Delta-XX$ or $\Delta-\Delta\Delta\Delta\Delta-\Delta\Delta\Delta-X$) may be different from those used in the set.

CAPACITORS:

^ All capacitors are in μF . Common capacitors are omitted. Refer to the following lists for their part numbers. MF: μF , PF: $\mu \mu F$.

RESISTORS

- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.
- · F : nonflammable

COILS

. MMH : mH, UH : μH

The components identified by shading and mark Aare critical for safety.

Replace only with part number specified.

3.0

Les composants identifiés par une trame et une marque Asont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

SEMICONDUCTORS

In each case, $U: \mu$, for example: $UA\cdots: \mu A\cdots$, $UPA\cdots: \mu PC\cdots$; $\mu PC\cdots: \mu PD\cdots: \mu PD\cdots$

MECHANISM SECTION

No.	Part No.	Description
301	3-481-272-00	SPRING, COMPRESSION
302	3-538-051-00	RUBBER, BRAKE
303	3-555-113-00	SPRING (RIGHT)
304	3-555-114-00	SPRING (LEFT)
305	3-558-708-11	WASHER, STOPPER
306	3-558-708-21	WASHER, STOPPER
307	3-564-027-11	FELT, LIMITER
308	3-564-319-00	BELT, CAPSTAN
309 ♣	;3-575-302-00	RETAINER, THRUST
310	3-575-304-00	SHAFT, GEAR, FR
311	;3-575-307-00	LEVER, FWD
312	;3-575-312-00	SPRING
313	3-575-318-00	LEVER, LOCK, TUNING
314	3-575-321-00	RETAINER, THRUST, CAPSTAN
315	3-575-324-00	GEAR, LIMITER
316	3-575-327-00	STOPPER
317	3-575-328-00	HOLDER, LAMP
318	3-575-330-00	BRACKET, HEAD
320	;3-575-331-00 3-575-332-00 3-575-333-00	LEVER, DETECTION, HALF GEAR, FR PISTON
322 •	;3-575-334-00	LEVER, DETECTION, REC
323	3-575-345-00	SPRING
324	3-575-348-00	ROLLER, GUIDE, THREADING
325 326 327	3-575-350-00 3-575-351-00 3-575-353-11	
328	3-575-354-00	LEVER, LOCK
329	3-575-356-00	SPRING
330	3-575-357-00	SPRING, TENSION
-331	3-575-358-00	SPRING, TENSION
332	3-575-359-00	SPRING, TENSION
333	3-575-364-00	SPRING, TENSION
334 335 336	3-575-365-00 3-575-368-00	SPRING, COMPRESSION SPRING, COMPRESSION
337	3-575-392-00	RING, PISTON
338	3-575-414-00	SPRING, COMPRESSION
339	3-575-415-11	ARBOR, MOVABLE
340	3-575-416-11	ARBOR, FIXED
341	3-575-457-00	PLATE (B), SHIELD, MOTOR
342	3-575-458-00	SPRING
343	3-575-460-00	LEVER, SELECT TUNE
344	3-575-469-00	SHOE, BRAKE
345 ♣	3-575-470-00	LEVER, HOLDER FULCRUM

MECHANISM SECTION

No.	Part No.	Description
	3-575-471-00 3-575-472-00	
350	3-652-612-11 3-701-438-21 3-701-439-21	WASHER
353	3-701-444-11 3-703-496-00 7-621-259-15	WASHER, 6 SCREW + PWH2X14 SCREW +P 2.6X3
356	7-621-775-10 7-624-110-04 7-671-112-11	SCREW +B 2.6X4 STOP RING 6.0, TYPE -E BALL, STEEL
358 359 360	7-682-949-01 7-685-861-01 7-687-246-21	SCREW +PSW 3X10 SCREW +BVTT 2.6X5 (S) SCREW, TOTSU PTPWH 3X8, TYPE2
361 362 363	X-3575-303-0 X-3575-304-0 X-3575-305-0	METAL ASSY, CAPSTAN PINCH LEVER (T) ASSY FLYWHEEL (T) ASSY
365	X-3575-310-0 X-3575-314-0 X-3575-324-0	LEVER ASSY, TENSION, BACK PLATE ASSY, ORNAMENTAL CHASSIS ASSY, HEAD
368 🌢	X-3575-338-0	PULLEY, MOTOR PLATE (LEFT) ASSY, FULCRUM PLATE (RIGHT) ASSY, FULCRUM
		PLATE ASSY, BRAKE CHASSIS ASSY, MECHANISM

ELECTRICAL PARTS

Ref.No. Part No.	<u>Description</u>
501 1-507-761-00 502 1-526-576-31 503 ;1-535-116-00	JACK, PIN 4P (E)SELECTOR, POWER VOLTAGE TERMINAL
504 A.1-534-817-XX 504 A.1-551-472-00 504 A.1-551-628-00 504 A.1-551-884-00 504 A.1-555-734-00	(AEP)CORD, POWER (E2)CORD, POWER (US,Canadian)CORD, POWER (UK)CORD, POWER (E1)CORD, POWER
506 1-561-598-00 507 a ;1-603-823-00 508 a ;1-606-086-00	
509 \(\) ;1-606-824-00 \(\) ;1-606-825-00 \(\) ;1-606-826-00	PC BOARD, SYSTEM CONTROL PC BOARD, TIMER SW PC BOARD, TRANSISTOR (A)

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CAPACITORS

All capacitors are in μF . Common capacitors are omitted. Refer to the following lists for their part numbers. MF: μF , PF: $\mu \mu F$.

RESISTORS

- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.
- · F : nonflammable

COILS

· MMH : mH, UH : µH

The components identified by shading and mark A are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque Asont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

SEMICONDUCTORS

In each case, U : μ, for example:
UA···: μΑ···, UPA···: μΡΑ···, UPC···: μΡC,
UPD···: μΡD···

Ref.No.	Part No.	Description
♦ CNP503	2;1-560-064-00 3;1-560-338-00 4;1-560-066-00	PIN, CONNECTOR 6P PIN, CONNECTOR 7P PIN, CONNECTOR 10P
■ CNP506	5; 1-560-062-00 6; 1-560-063-00 7; 1-560-065-00	PIN, CONNECTOR 4P PIN, CONNECTOR 5P PIN, CONNECTOR 8P
♣ CNP510 ♣ CNP511	9;1-560-063-00 0;1-560-338-00 1;1-560-064-00 1;1-560-070-00	PIN, CONNECTOR 5P PIN, CONNECTOR 7P PIN, CONNECTOR 6P BASE POST
CP001 CP9014 CP9014	1-464-110-00 1-161-744-00 1-161-749-00	OSCILLATOR UNIT, BIAS (AEP,UK,E)CAP, GERAMIC 10000PF (US,Canadian)CAP, GERAMIC 10000PF
CT001	1-141-225-00	CAP, TUNING, TRIMAR
D001 D002 D003	8-719-910-64 8-719-910-64 8-719-910-74	DIODE HZ6B1L DIODE HZ6B1L DIODE HZ7B1L
D004 D005 D008	8-719-815-55 8-719-815-55 8-719-815-55	DIODE 1S1555 DIODE 1S1555 DIODE 1S1555
D501 D502 D503	8-719-200-02 8-719-815-55 8-719-934-05	DIODE 10E-2 DIODE 1S1555 DIODE SLR-34URC5
D504 D505 D506	8-719-902-78	DIODE SLR-34PC5 DIODE SLR-34DC5 DIODE 1S1555
D507 D508 D509	8-719-815-55	DIODE 151555 DIODE 151555 DIODE 151555
D510 D511 D512	8-719-815-55	DIODE 151555 DIODE 151555 DIODE 151555
D513 D514 D515	8-719-815-55	DIODE 181555 DIODE 181555 DIODE 181555
D601 D701 D702	8-719-815-55	DIODE 1S1555 DIODE 1S1555 DIODE HZ20-1L
D703 D704 D705	8-719-815-55	DIODE 1S1555 DIODE 1S1555 DIODE 1S1555
D706 D707 D708	8-719-815-55	DIODE 1S1555 DIODE 1S1555 DIODE SEL1710K

ELECTRICAL PARTS

Ref.No. Part No. Description			ELECTRIC	CAL PARIS
D801		Ref.No.	Part No.	Description
D901 A.8-719-200-02 D10DE 10E-2 D903 A.8-719-200-02 D10DE 10E-2 D904 A.8-719-200-02 D10DE 10E-2 D906 8-719-200-02 D10DE 10E-2 D906 8-719-90-14 D10DE HZ27-1L D907 8-719-910-14 D10DE HZ27-1L D908 8-719-910-14 D10DE HZ6C3L D909 A.8-719-200-02 D10DE 10E-2 D909 A.8-719-200-02 D10DE 10E-2 D909 A.8-719-200-02 D10DE 10E-2 D951 A.8-719-200-02 D10DE 10E-2 D952 A.8-719-200-02 D10DE 10E-2 D953 A.8-719-200-02 D10DE 10E-2 D954 A.8-719-200-02 D10DE 10E-2 D954 A.8-719-200-02 D10DE 10E-2 HE001 8-825-724-00 HEAD, ERASE EF-201-36 HRP101 8-825-529-20 HEAD, REC/PB IC001 8-759-700-05 IC NJM2043S-D IC002 8-759-961-38 IC BA6138 IC004 8-759-600-02 IC M5218L IC301 8-759-300-76 IC CX-174A-2 IC401 8-759-300-76 IC CX-174A-2 IC401 8-759-300-76 IC CX-174A-2 IC501 8-759-300-76 IC CX-174A-2 IC501 8-759-900-80 IC MB8843-590K IC502 8-759-900-81 IC MB8843-594J IC503 8-759-900-81 IC MB8843-594J IC504 8-759-900-81 IC MB84049UB IC505 8-759-133-90 IC UPC339C IC506 8-759-133-90 IC MB884069UB IC701 8-759-904-72 IC MSL935PRS J002 1-507-796-21 JACK J101 1-507-797-21 JACK, LARGE TYPE L001 1-407-177-XX MICRO INDUCTOR 470UH L002 1-407-177-XX MICRO INDUCTOR 470UH L001 1-408-262-00 MICRO INDUCTOR 27MMH L201 1-408-262-00 MICRO INDUCTOR 27MMH L201 1-408-262-00 MICRO INDUCTOR 27MMH		D801	8-719-200-02	DIODE 10E-2
D903 A.8-719-200-02 D10DE 10E-2 D904 A.8-719-200-02 D10DE 10E-2 D906 8-719-922-71 D10DE HZ27-1L D907 8-719-910-14 D10DE HZ11B1L D908 8-719-910-09 D10DE HZ6C3L D909 A.8-719-931-07 D10DE EQB01-07 D951 A.8-719-200-02 D10DE 10E-2 D952 A.8-719-200-02 D10DE 10E-2 D953 A.8-719-200-02 D10DE 10E-2 D954 A.8-719-200-02 D10DE 10E-2 D954 A.8-719-200-02 D10DE 10E-2 HE001 8-825-724-00 HEAD, ERASE EF-201-36 HRP101 8-825-724-00 HEAD, REC/PB IC001 8-759-961-38 IC BA6138 IC004 8-759-960-02 IC N5218L IC301 8-759-300-76 IC CX-174A-2 IC302 8-759-300-76 IC CX-174A-2 IC401 8-759-300-76 IC CX-174A-2 IC401 8-759-300-76 IC CX-174A-2 IC501 8-759-90-80 IC MB8843-590K IC502 8-759-90-81 IC MB8843-594J IC503 8-759-90-81 IC MB8843-594J IC504 8-759-220-04 IC TC40H004P IC505 8-759-133-90 IC UPC339C IC506 8-759-133-90 IC UPC339C IC507 8-759-904-72 IC MSL9359RS J002 1-507-796-21 JACK J101 1-507-797-21 JACK, LARGE TYPE J201 1-507-797-21 JACK, LARGE TYPE J201 1-507-797-21 JACK, LARGE TYPE L001 1-407-177-XX MICRO INDUCTOR 470UH L002 1-407-177-XX MICRO INDUCTOR 27MMH L201 1-408-262-00 MICRO INDUCTOR 27MMH L201 1-408-262-00 MICRO INDUCTOR 27MMH L201 1-408-262-00 MICRO INDUCTOR 27MMH		D803 D804 D901 A	8-719-200-02 8-719-200-02 3-8-719-200-02	DIODE 10E-2 DIODE 10E-2 DIODE 10E-2
D906 8-719-922-71 D10DE HZ27-1L D907 8-719-910-14 D10DE HZ21B1L D908 8-719-910-69 D10DE HZ6C3L D909 A.8-719-931-07 D10DE EQB01-07 D951 A.8-719-200-02 D10DE 10E-2 D952 A.8-719-200-02 D10DE 10E-2 D953 A.8-719-200-02 D10DE 10E-2 D954 A.8-719-200-02 D10DE 10E-2 FL701 1-519-248-00 INDICATOR TUBE, FLUORESCENT HE001 8-825-724-00 HEAD, REC/PB IC001 8-759-700-05 IC NJM2043S-D IC002 8-759-961-38 IC BA6138 IC004 8-759-600-02 IC M5218L IC301 8-759-300-76 IC CX-174A-2 IC401 8-759-300-76 IC CX-174A-2 IC401 8-759-300-76 IC CX-174A-2 IC401 8-759-300-76 IC CX-174A-2 IC501 8-759-900-80 IC MB8843-590K IC502 8-759-900-81 IC MB8843-594J IC503 8-759-133-90 IC UPC339C IC506 8-759-133-90 IC UPC339C IC507 8-759-984-69 IC MB84069UB IC701 8-759-904-72 IC MS84069UB IC701 1-507-797-21 JACK, LARGE TYPE J201 1-507-797-21 JACK, LARGE TYPE J201 1-507-797-21 JACK, LARGE TYPE L001 1-407-177-XX MICRO INDUCTOR 470UH L002 1-407-177-XX MICRO INDUCTOR 470UH L101 1-408-262-00 MICRO INDUCTOR 27MMH L201 1-408-262-00 MICRO INDUCTOR 27MMH L201 1-408-259-00 MICRO INDUCTOR 27MMH		D903 A	.8-719-200-02	DIODE 10E-2
D909 A.8-719-931-07 D100E EQB01-07 D951 A.8-719-200-02 D10DE 10E-2 D953 A.8-719-200-02 D10DE 10E-2 D953 A.8-719-200-02 D10DE 10E-2 D954 A.8-719-200-02 D10DE 10E-2 FL701 1-519-248-00 INDICATOR TUBE, FLUORESCENT HE001 8-825-724-00 HEAD, ERASE EF-201-36 HRP101 8-825-529-20 HEAD, REC/PB IC001 8-759-700-05 IC NJM2043S-D IC002 8-759-961-38 IC BA6138 IC004 8-759-600-02 IC M5218L IC301 8-759-300-76 IC CX-174A-2 IC401 8-759-300-76 IC CX-174A-2 IC401 8-759-300-76 IC CX-174A-2 IC501 8-759-300-76 IC CX-174A-2 IC501 8-759-900-80 IC MB8843-590X IC502 8-759-900-81 IC MB8843-594J IC503 8-759-900-81 IC MB84049UB IC504 8-759-220-04 IC TC40H004P IC505 8-759-133-90 IC UPC339C IC506 8-759-984-69 IC MB84069UB IC701 8-759-904-72 IC MSL9359RS J002 1-507-796-21 JACK J101 1-507-797-21 JACK, LARGE TYPE J201 1-407-177-XX MICRO INDUCTOR 470UH L002 1-407-177-XX MICRO INDUCTOR 27MMH L201 1-408-262-00 MICRO INDUCTOR 27MMH L201 1-408-262-00 MICRO INDUCTOR 27MMH L201 1-408-262-00 MICRO INDUCTOR 27MMH		D906	8-719-922-71	DIODE H7 27-11
FL701 1-519-248-00 INDICATOR TUBE, FLUORESCENT		D909 A	.8-719-931-07	DIODE EOBOL-07
HE001 8-825-724-00 HEAD, ERASE EF-201-36 HRP101 8-825-529-20 HEAD, REC/PB IC001 8-759-700-05 IC NJM2043S-D IC002 8-759-961-38 IC BA6138 IC004 8-759-600-02 IC M5218L IC301 8-759-300-76 IC CX-174A-2 IC302 8-759-300-76 IC CX-174A-2 IC401 8-759-300-76 IC CX-174A-2 IC501 8-759-300-76 IC CX-174A-2 IC501 8-759-900-81 IC MB8843-590K IC502 8-759-900-81 IC MB8843-594J IC503 8-759-908-81 IC MB84049UB IC504 8-759-220-04 IC TC40H004P IC505 8-759-133-90 IC UPC339C IC506 8-759-729-03 IC NJM2903D IC507 8-759-984-69 IC MB84069UB IC701 8-759-904-72 IC MSL9359RS J002 1-507-796-21 JACK J101 1-507-797-21 JACK, LARGE TYPE J201 1-507-797-21 JACK, LARGE TYPE L001 1-407-177-XX MICRO INDUCTOR 470UH L002 1-407-177-XX MICRO INDUCTOR 470UH L101 1-408-262-00 MICRO INDUCTOR 27MMH L201 1-408-262-00 MICRO INDUCTOR 27MMH L301 1-408-259-00 MICRO INDUCTOR 27MMH		D952 🛕 D953 🛕 D954 🔥	.8-719-200-02 .8-719-200-02 .8-719-200-02	DIODE 10E-2 DIODE 10E-2 DIODE 10E-2
HRP101 8-825-529-20 HEAD, REC/PB IC001 8-759-700-05 IC NJM2043S-D IC002 8-759-961-38 IC BA6138 IC004 8-759-600-02 IC M5218L IC301 8-759-300-76 IC CX-174A-2 IC302 8-759-300-76 IC CX-174A-2 IC401 8-759-300-76 IC CX-174A-2 IC501 8-759-900-80 IC MB8843-590K IC502 8-759-900-81 IC MB8843-590K IC503 8-759-900-81 IC MB8843-594J IC503 8-759-900-81 IC MB84049UB IC504 8-759-220-04 IC TC40H004P IC505 8-759-133-90 IC UPC339C IC506 8-759-729-03 IC NJM2903D IC507 8-759-984-69 IC MB84069UB IC701 8-759-904-72 IC MSL9359RS J002 1-507-796-21 JACK J101 1-507-797-21 JACK, LARGE TYPE J201 1-507-797-21 JACK, LARGE TYPE J201 1-507-797-21 JACK, LARGE TYPE J201 1-407-177-XX MICRO INDUCTOR 470UH L002 1-407-177-XX MICRO INDUCTOR 470UH L001 1-408-262-00 MICRO INDUCTOR 27MMH L201 1-408-262-00 MICRO INDUCTOR 27MMH L201 1-408-262-00 MICRO INDUCTOR 27MMH		FL701	1-519-248-00	INDICATOR TUBE, FLUORESCENT
ICO01 8-759-700-05 IC NJM2043S-D ICO02 8-759-961-38 IC BA6138 ICO04 8-759-600-02 IC M5218L IC301 8-759-300-76 IC CX-174A-2 IC302 8-759-300-76 IC CX-174A-2 IC401 8-759-300-76 IC CX-174A-2 IC401 8-759-300-76 IC CX-174A-2 IC501 8-759-900-80 IC MB8843-590K IC502 8-759-900-81 IC MB8843-590K IC502 8-759-900-81 IC MB8843-594J IC503 8-759-900-81 IC MB84049UB IC504 8-759-220-04 IC TC40H004P IC505 8-759-133-90 IC UPC339C IC506 8-759-133-90 IC UPC339C IC507 8-759-904-72 IC MS84069UB IC701 8-759-904-72 IC MS84069UB IC701 8-759-904-72 IC MS84069UB IC701 8-759-904-72 IC MSL9359RS J002 1-507-797-21 JACK LARGE TYPE J201 1-507-797-21 JACK LARGE TYPE J201 1-507-797-21 JACK LARGE TYPE L001 1-407-177-XX MICRO INDUCTOR 470UH L002 1-407-177-XX MICRO INDUCTOR 470UH L101 1-408-262-00 MICRO INDUCTOR 27MMH L201 1-408-262-00 MICRO INDUCTOR 27MMH L201 1-408-262-00 MICRO INDUCTOR 27MMH L301 1-408-259-00 MICRO INDUCTOR 15MMH	ĺ	HE001	8-825-724-00	HEAD, ERASE EF-201-36
ICO02		HRP101	8-825-529-20	HEAD, REC/PB
IC302		IC002	8-759-961-38	IC BA6138
IC501 8-759-900-80		IC302	8-759-300-76	IC CX-174A-2
IC504 8-759-220-04		IC501	8-759-900-80	IC MB8843-590K
IC507 8-759-984-69		IC504	8-759-220-04	IC TC40H004P
J101		IC507	8-759-984-69	IC MB84069UB
L002 1-407-177-XX MICRO INDUCTOR 470UH L101 1-408-262-00 MICRO INDUCTOR 27MMH L201 1-408-262-00 MICRO INDUCTOR 27MMH L301 1-408-259-00 MICRO INDUCTOR 15MMH		J101	1-507-797-21	JACK, LARGE TYPE
L301 1-408-259-00 MICRO INDUCTOR 15MMH		L002	1-407-177-XX	MICRO INDUCTOR 470UH
		L301	1-408-259-00	MICRO INDUCTOR 15MMH

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CAPACITORS:

· All capacitors are in $\mu F.$ Common capacitors are omitted. Refer to the following lists for their part numbers. MF: $\mu F, \ PF: \mu \mu F.$

RESISTORS

- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.
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COILS

։ MMH : mH, UH : µH

The components identified by shading and mark A are critical for safety.

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Les composants identifiés par une trame et une marque Asont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

SEMICONDUCTORS

In each case, U : μ, for example: UA···: μΑ···, UPA···: μPA···, UPC···: μPC, UPD···: μPD···

ELECTRICAL PARTS

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
LPF101 LPF201	1-231-388-00 1-231-388-00	FILTER, LOWPASS FILTER, LOWPASS FILTER, LOWPASS FILTER, LOWPASS	Q406 Q407 Q408	8-729-663-47 8-729-663-47 8-729-663-47	
M801 M802	8-835-049-01	MOTOR, DC (DNE-4100A) MOTOR ASSY, REEL	Q409 Q410 Q411	8-729-663-47 8-729-100-13 8-729-663-47	TRANSISTOR 2SC1364 TRANSISTOR 2SC2001 TRANSISTOR 2SC1364
PM801 PM802		SOLENOID, PLUNGER (HEAD) SOLENOID, PLUNGER (AMS)	Q501 Q502 Q503	8-729-177-43 8-729-177-43 8-729-663-47	TRANSISTOR 2SD774 TRANSISTOR 2SD774 TRANSISTOR 2SC1364
PL801	1-518-340-71	LAMP, PILOT	0504	8-729-103-43	
Q001 Q002 Q003	8-769-112-00	TRANSISTOR 2SK120 TRANSISTOR 2SK120 TRANSISTOR 2SD414	Q505 Q506	8-729-664-47 8-729-103-43	TRANSISTOR 2SC1364 TRANSISTOR 2SB734-4
·			Q507	8-729-612-77	TRANSISTOR 2SA1027R
0004	8-729-315-22	TRANSISTOR 2SD1152	0508	8-729-612-77	TRANSISTOR 2SA1027R
0005 0006	8-729-315-22 8-729-154-83	TRANSISTOR 2SD1152 TRANSISTOR 2SB548	Q509	8-729-100-13	TRANSISTOR 2SC2001
			Q510	8-729-195-23	TRANSISTOR 2SA952
0007	8-729-384-48	TRANSISTOR 2SA844	Q511	8-729-195-23	TRANSISTOR 2SA952
0008 0010	8-729-384-48 8-729-384-48	TRANSISTOR 2SA844 TRANSISTOR 2SA844	Q512	8-729-100-13	TRANSISTOR 2SC2001
			Q513	8-729-663-47	
Q011	8-729-612-77	TRANSISTOR 2SA1027R	Q514	8-729-180-93	TRANSISTOR 2SD809
Q012 Q013	8-729-663-47 8-729-663-47	TRANSISTOR 2SC1364 TRANSISTOR 2SC1364	Q601	8-729-663-47	
			Q602	8-729-663-47	
Q101	8-729-334-58	TRANSISTOR 2SC1345	0603	8-729-663-47	TRANSISTOR 2SC1364
0102 0103	8-729-334-58 8-729-663-47	TRANSISTOR 2SC1345 TRANSISTOR 2SC1364	Q604	8-729-602-68	
			Q701	8-729-612-77	TRANSISTOR 2SA1027R
0104	8-729-663-47	TRANSISTOR 2SC1364	0702	8-729-612-77	TRANSISTOR 2SA1027R
0201	8-729-334-58	TRANSISTOR 2SC1345	0703	8-729-612-77	
Q202		TRANSISTOR 2SC1345	Q704	8-729-612-77	
Q203	8-729-663-47	TRANSISTOR 2SC1364	0705	8-729-612-77	TRANSISTOR 2SA1027R
Q204 Q301	8-729-663-47 8-729-663-47	TRANSISTOR 2SC1364 TRANSISTOR 2SC1364	Q706	8-729-612-77	TRANSISTOR 2SA1027R
			Q707	8-729-612-77	TRANSISTOR 2SA1027R
Q302	8-729-663-47	TRANSISTOR 2SC1364	0708	8-729-612-77	TRANSISTOR 2SA1027R
Q303 Q304	8-729-663-47 8-729-663-47	TRANSISTOR 2SC1364	,		TRANSISTOR 2SA1027R
			Q710	8-729-612-77	TRANSISTOR 2SA1027R
Q305	8-729-663-47	TRANSISTOR 2SC1364	Q711	8-729-612-77	
Q306 Q307	8-729-663-47 8-729-663-47	TRANSISTOR 2SC1364 TRANSISTOR 2SC1364	Q712	8-729-612-77	
			Q713		TRANSISTOR 2SA1027R
Q308	8-729-663-47	TRANSISTOR 2SC1364	Q714	8-729-612-77	TRANSISTOR 2SA1027R
0309	8-729-663-47	TRANSISTOR 2SC1364	Q715	8-729-612-77	TRANSISTOR 2SA1027R
0310	8-729-100-13	TRANSISTOR 2SC2001			
4220			0716	8-729-612-77	TRANSISTOR 2SA1027R
0211	0 720 662 47	TRANSISTOR 2SC1364	0717		TRANSISTOR 2SA1027R
Q311	8-729-663-47				
Q401	8-729-663-47	TRANSISTOR 2SC1364	Q718	10-173-017-11	TRANSISTOR 2SA1027R
Q402	8-729-663-47	TRANSISTOR 2SC1364	,		
• • •			Q719	8-729-612-77	TRANSISTOR 2SA1027R
Q403	8-729-663-47	TRANSISTOR 2SC1364	0720	8-729-612-77	
0404	8-729-663-47	TRANSISTOR 2SC1364			TRANSISTOR 2SA1027R
		TRANSISTOR 2SC1364	4,57	.0-123-012-11	, moroton contoc/N
Q405	8-729-663-47	IKMIS1310K 2301304	1		

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CAPACITORS:

 * All capacitors are in $\nu F.$ Common capacitors are omitted. Refer to the following lists for their part numbers. MF: νF , PF: $\nu \mu F$.

RESISTORS

- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.
- · F : nonflammable

COILS

• MMH : mH, UH : μH

The components identified by shading and mark Aare critical for safety.

Replace only with part number specified.

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SEMICONDUCTORS

In each case, U : μ, for example: UA···: μΑ···, UPA···: μΡΑ···, UPC···: μΡC, UPD···: μΡD···

ELECTRICAL PARTS

		-					174(15			
Ref.No.	Part No.	Description			Ref.No.	Part No.	Description			
Q722 Q803 Q804	8-729-612-77 8-729-110-21 8-729-110-21	TRANSISTOR 2SA1027 TRANSISTOR PH102 TRANSISTOR PH102	R		R104 R105 R106	1-246-497-00 1-246-441-00 1-246-529-00	CARBON CARBON CARBON	10K 47 220K	5% 5% 5%	1/4W 1/4W 1/4W
Q901 Q902 Q903	8-729-288-02 8-729-663-47 8-729-663-47	TRANSISTOR 2SD880 TRANSISTOR 2SC1364 TRANSISTOR 2SC1364			R107 R108 R109	1-246-473-00 1-246-473-00 1-246-473-00	CARBON CARBON CARBON	1K 1K 1K	5% 5% 5%	1/4W 1/4W 1/4W
Q904 Q905 Q907	8-729-288-02 8-729-663-47 8-729-663-47	TRANSISTOR 2SD880 TRANSISTOR 2SC1364 TRANSISTOR 2SC1364		·	R110 R111 R112	1-246-529-00 1-246-489-00 1-246-473-00	CARBON CARBON CARBON	220K 4.7K 1K	5% 5% 5%	1/4W 1/4W 1/4W
R003 R004 R005	1-246-497-00 1-246-497-00 1-246-469-00	CARBON 10K CARBON 10K CARBON 680	5% 5% 5%	1/4W 1/4W 1/4W	R113 R114 R115	1-246-485-00 1-246-521-00 1-246-495-00	CARBON CARBON CARBON	3.3K 100K 8.2K	5% 5% 5%	1/4W 1/4W 1/4W
R006 R007 R008	1-246-474-00 1-246-474-00 1-246-469-00	CARBON 1.1K CARBON 1.1K CARBON 680		1/4W 1/4W 1/4W	R116 R117 R118	1-244-909-00 1-244-881-00 1-246-501-00	CARBON CARBON CARBON	33K 2.2K 15K	5% 5% 5%	1/2W 1/2W 1/4W
R010 R011 R012	1-247-879-00 1-247-855-00 1-247-831-00	CARBON 100K CARBON 10K CARBON 1K	5% 5% 5%	1/6W 1/6W 1/6W	R119 R120 R121	1-246-479-00 1-246-508-00 1-246-509-00	CARBON CARBON CARBON	1.8K 30K 33K	5% 5% 5%	1/4W 1/4W 1/4W
R014 R015 R016	1-247-831-00 1-247-831-00 1-247-879-00	CARBON 1K CARBON 1K CARBON 100K	5% 5% 5%	1/6W 1/6W 1/6W	R122 R123 R124	1-246-493-00 1-246-504-00 1-246-505-00	CARBON CARBON CARBON	6.8K 20K 22K	5% 5% 5%	1/4W 1/4W 1/4W
R018	1-247-879-00 1-247-879-00 1-246-468-00	CARBON 100K CARBON 100K CARBON 620	5% 5% 5%	1/6W 1/6W 1/4W	R125 R126 R128	1-246-497-00 1-246-515-00 1-246-499-00	CARBON CARBON CARBON	10K 56K 12K	5% 5% 5%	1/4W 1/4W 1/4W
	1-247-855-00 1-246-498-00 1-246-509-00	CARBON 10K CARBON 11K CARBON 33K	5% 5% 5%	1/6W 1/4W 1/4W	R129 R130 R132	1-247-891-00 1-247-831-00 1-246-497-00	CARBON CARBON CARBON	330K 1K 10K	5% 5% 5%	1/6W 1/6W 1/4W
R025	1-246-477-00 1-246-498-00 1-246-497-00	CARBON 1.5K CARBON 11K CARBON 10K	5% 5% 5%	1/4W 1/4W 1/4W	R133 R134 R135	1-246-509-00 1-246-508-00 1-246-457-00	CARBON CARBON CARBON	33K 30K 220	5% 5% 5%	1/4W 1/4W 1/4W
R028	1-247-855-00 1-247-847-00 1-247-867-00	CARBON 10K CARBON 4.7K CARBON 33K	5% 5% 5%	1/6W 1/6W 1/6W	R136 R137 R138	1-246-506-00 1-246-451-00 1-244-890-00	CARBON CARBON CARBON	24K 120 5.1K	5% 5% 5%	1/4W 1/4W 1/2W
R031	1-247-807-00 1-247-867-00 1-246-487-00	CARBON 100 CARBON 33K CARBON 3.9K	5% 5% 5%	1/6W 1/6W 1/4W	R139 R140 R141	1-246-485-00	CARBON CARBON CARBON	130K 3.3K 12K	5% 5% 5%	1/4W 1/4W 1/2W
R034	1-247-871-00 1-247-871-00 1-246-457-00	CARBON 47K CARBON 47K CARBON 220	5% 5% 5%	1/6W 1/6W 1/4W		1-246-503-00	CARBON CARBON CARBON	220K 18K 10K	5% 5% 5%	1/4W 1/4W 1/4W
R037 A.	1-246-457-00 1-212-857-00 1-212-857-00	CARBON 220 FUSIBLE 10 FUSIBLE 10		1/4W 1/4W F 1/4W F	R146	1-246-528-00	CARBON CARBON CARBON	10K 200K 18K	5% 5% 5%	1/6W 1/4W 1/4W
R102	1-246-497-00 1-246-518-00 1-246-535-00	C ARBON 10K C ARBON 75K C ARBON 390K	5% 5% 5%	1/4W 1/4W 1/4W	R149	1-246-493-00	CARBON CARBON CARBON	18K 6.8K 100K	5% 5% 5%	1/4W 1/4W 1/4W

NOTE:

CAPACITORS:

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RESISTORS

All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.

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COILS

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ELECTRICAL PARTS

Ref.No.	Part No.	Description				Ref.No.	Part No.	Description			
R151	1-246-473-00	CARBON	1K	5%	1/4W	R341	1-246-473-00	CARBON	1K	5%	1/4W
R152	1-246-513-00	CARBON	47K	5%	1/4W	R342	1-246-510-00	CARBON	36K	5%	1/4W
R153	1-246-513-00	CARBON	47K	5%	1/4W	R343	1-246-477-00	CARBON	1.5K	5%	1/4W
R154	1-247-887-00	CARBON	220K	5%	1/6W	R344	1-246-490-00	CARBON	5.1K	5%	1/4W
R155	1-246-515-00	CARBON	56K	5%	1/4W	R345	1-246-484-00	CARBON	3K	5%	1/4W
R301	1-247-855-00	CARBON	10K	5%	1/6W	R346	1-246-533-00	CARBON	330K	5%	1/4W
R302	1-246-545-00	CARBON	1M	5%	1/4W	R347	1-246-513-00	CARBON	47K	5%	1/4W
R303	1-246-530-00	CARBON	240K	5%	1/4W	R348	1-246-457-00	CARBON	220	5%	1/4W
R304	1-247-855-00	CARBON	10K	5%	1/6W	R349	1-246-472-00	CARBON	910	5%	1/4W
R305	1-246-545-00	CARBON	1M	5%	1/4W	R350	1-246-485-00	CARBON	3.3K	5%	1/4W
R306	1-246-501-00	CARBON	15K	5%	1/4W	R351	1-246-481-00	CARBON	2.2K	5%	1/4W
R307	1-246-530-00	CARBON	240K	5%	1/4W	R352	1-246-507-00	CARBON	27K	5%	1/4W
R308	1-246-507-00	CARBON	27K	5%	1/4W	R353	1-246-493-00	CARBON	6.8K	5%	1/4W
R309	1-247-855-00	CARBON	10K	5%	1/6W	R354	1-246-473-00	CARBON	1K	5%	1/4W
R310	1-246-499-00	CARBON	12K	5%	1/4W	R355	1-246-529-00	CARBON	220K	5%	1/4W
R311	1-246-545-00	CARBON	1M	5%	1/4W	R356	1-246-473-00	CARBON	1K	5%	1/4W
R312	1-246-528-00	CARBON	200K	5%	1/4W	R357	1-247-845-00	CARBON	3.9K	5%	1/6W
R313	1-246-436-00	CARBON	30	5%	1/4W	R358	1-246-505-00	CARBON	22K	5%	1/4W
R314	1-246-445-00	CARBON	68	5%	1/4W	R359	1-247-869-00	CARBON	39K	5%	1/6W
R315	1-246-502-00	CARBON	16K	5%	1/4W	R436	1-214-966-00	METAL	1.2M	1%	1/4W
R316	1-246-497-00	CARBON	10K	5%	1/4W	R501	1-246-473-00	CARBON	1K	5%	1/4W
R317	1-247-838-00	CARBON	2K	5%	1/6W	R502	1-246-473-00	CARBON	1K	5%	1/4W
R318	1-247-855-00	CARBON	10K	5%	1/6W	R503	1-246-497-00	CARBON	10K	5%	1/4W
R319	1-246-492-00	CARBON	6.2K	5%	1/4W	R504	1-246-473-00	CARBON	1K	5%	1/4W
R320	1-246-508-00	CARBON	30K	5%	1/4W	R505 A	.1-206-477-00	METAL OXIDE	39	5%	2w F
R321	1-246-509-00	CARBON	33K	5%	1/4W	R506	1-246-497-00	CARBON	10K	5%	1/4W
R322	1-247-871-00	CARBON	47K	5%	1/6W	R507	1-246-473-00	CARBON	1K	5%	1/4W
R323	1-246-545-00	CARBON	1M	5%	1/4W	R508 A	.1-206-482-00	METAL OXIDE	62	5%	. 2W F
R324 R325	1-246-453-00 1-246-455-00	CARBON CARBON	150	5%	1/4W	R509	1-246-505-00	CARBON	22K	5%	1/4W
NJEJ	1-240-455-00	CARBON	180	5%	1/4W	R510	1-246-505-00	CARBON	22K	5%	1/4W
R326	1-246-475-00	CARBON	1.2K	5%	1/4W	R511	1-246-473-00	CARBON	1K	5%	1/4W
R327 R328	1-246-459-00 1-246-533-00	CARBON CARBON	270	5 %	1/4W	R512	1-246-481-00	CARBON	2.2K	5%	1/4W
N 320	1-2,40-555-00	CARDUN	330K	5%	1/4W	R513	1-246-449-00	CARBON	100	5%	1/4W
R329	1-246-497-00	CARBON	10K	5%	1/4W	R514	1-246-505-00	CARBON	22K	5%	1/4W
R330	1-246-485-00	CARBON	3.3K	5%	1/4W	R515	1-246-497-00	CARBON	10K	5%	1/4W
R331	1-246-529-00	CARBON	220K	5%	1/4W	R516	1-246-449-00	CARBON	100	5%	1/4W
R332	1-246-530-00	CARBON	240K	5%	1/4W	R517	1-246-505-00	CARBON	22K	5%	1/4W
R333	1-246-530-00	CARBON	240K	5%	1/4W	R518	1-246-505-00	CARBON	22K	5%	1/4W
R334	1-246-463-00	CARBON	390	5%	1/4W	R519	1-246-473-00	CARBON	1K	5%	1/4W
R335	1-246-513-00	CARBON	47K	5%	1/4W	R520	1-246-505-00	CARBON	22K	5%	1/4W
R336 R337	1-214-966-00	METAL	1.2M	1%	1/4W		1-246-473-00	CARBON	1K	5%	1/4W
K33/	1-247-848-00	CARBON	5.1K	5%	1/6W	R522	1-246-473-00	CARBON	1K	5%	1/4W
R338	1-246-467-00	CARBON	560	5%	1/4W	R523	1-246-505-00	CARBON	22K	5%	1/4W
R339	1-246-475-00	CARBON	1.2K	5%	1/4W	R524	1-246-473-00	CARBON	1K	5%	1/4W
R340	1-246-502-00	CARBON	16K	5%	1/4W	R525	1-246-505-00	CARBON	22K	5%	1/4W

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- Due to standardization, parts with part numbers $(\Delta-\Delta\Delta\Delta-\Delta\Delta\Delta-XX$ or $\Delta-\Delta\Delta\Delta\Delta-\Delta\Delta\Delta-X)$ may be different from those used in the set.

CAPACITORS:

All capacitors are in μF . Common capacitors are omitted. Refer to the following lists for their part numbers. MF: μF , PF: $\mu \mu F$.

RESISTORS

- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.
- · F : nonflammable

COILS

· MMH : mH, UH : μH

The components identified by shading and mark A are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque Asont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

SEMICONDUCTORS

In each case, U : μ, for example: UA···: μΑ···, UPA···: μΡΑ···, UPC···: μPC, UPD···: μPD···

ELECTRICAL PARTS

	-						-				
Ref.No.	Part No.	Description				Ref.No.	Part No.	Description			
R526	1-246-505-00	CARBON	22K	5%	1/4W	R572	1-246-511-00	CARBON	39K	5%	1/4W
R527	1-246-505-00	CARBON	22K	5%	1/4W	R573	1-246-505-00	CARBON	22K	5%	1/4W
R528	1-246-473-00	CARBON	1K	5%	1/4W	R574	1-246-505-00	CARBON	22K	5%	1/4W
						[
R529	1-246-473-00	CARBON	1K	5%	1/4W	R575	1-246-545-00	CARBON	1M	5%	1/4W
R531	1-246-464-00	CARBON	430	5%	1/4W	R576	1-246-505-00	CARBON	22K	5%	1/4W
R532 ∆	.1-212-849-00	FUSIBLE	4.7	5%	1/4W F	R577	1-246-505-00	CARBON	22K	5%	1/4W
										==	
R533	1-246-468-00	CARBON	620	5%	1/4W	R578	1-246-505-00	CARBON	22K	5%	1/4W
R534	1-246-473-00	CARBON	1K	5%	1/4W	R579	1-246-505-00	CARBON	22K	5%	1/4W
R535	1-246-457-00	CARBON	220	5%	1/4W	R580	1-246-541-00	CARBON	680K	5%	1/4W
2526	1 046 465 00	0.100.01	470		1 / 41/	DE01	1 246 521 00	CARBON	1000	5%	1/4W
R536	1-246-465-00	CARBON	470	5%	1/4W	R581	1-246-521-00	CARBON	100K 270K	5%	1/4W
R537	1-246-457-00	CARBON	220	5%	1/4W	R582 R583	1-246-531-00	CARBON	47K	5%	1/4W
R 538	1-246-505-00	CARBON	22K	5%	1/4W	K 303	1-240-313-00	CARDON	4/1	3/0	1/ TW
R539	1-246-505-00	CARBON	22K	5%	1/4W	R584	1-246-531-00	CARBON	270K	5%	1/4W
R540	1-246-505-00	CARBON	22K	5%	1/4W	R585	1-246-513-00	CARBON	47K	5%	1/4W
R541	1-246-505-00	CARBON	22K	5%	1/4W	R586	1-246-519-00	CARBON	82K	5%	1/4W
KJ41	1-240-300-00	Oralbon		٠,٧	-/			•		-,-	-,
R542	1-246-505-00	CARBON	22K	5%	1/4W	R587	1-246-477-00	CARBON	1.5K	5%	1/4W
R543	1-246-505-00	CARBON	22K	5%	1/4W	R588	1-246-471-00	CARBON	820	5%	1/4W
R544	1-246-505-00	CARBON	22K	5%	1/4W	R589	1-246-471-00	CARBON	820	5%	1/4W
R545	1-246-505-00	CARBON	22K	5%	1/4W	R590	1-246-505-00	CARBON	22K	5%	1/4W
R546	1-246-505-00	CARBON	22K	5%	1/4W	R591	1-246-505-00	CARBON	22K	5%	1/4W
R547	1-246-505-00	CARBON	22K	5%	1/4W	J R601	1-246-513-00	CARBON	47K	5%	1/4W
								0.400.011	4714	Cal	1 / 411
R548	1-246-497-00	CARBON	10K	5%	1/4W	R602	1-246-513-00	CARBON	47K 3.3K	5% 5%	1/4W 1/4W
R549	1-246-473-00	CARBON	1K	5% 5%	1/4W	R603	1-246-485-00 1-244-906-00	C ARBON C ARBON	24K	5%	1/2W
R550	1-246-504-00	CARBON	20K	5%	1/4W	R604	1-244-900-00	CARBON	241	3/6	1/24
R551	1-246-473-00	CARBON	1K	5%	1/4W	R605	1-244-906-00	CARBON	24K	5%	1/2W
R552	1-246-497-00	CARBON	10K	5%	1/4W	R606	1-244-925-00	CARBON	150K	5%	1/2W
R553	1-246-481-00	CARBON	2.2K	5%	1/4W	R607	1-246-505-00	CARBON	22K	5%	1/4W
1,555	1-240-401-00	OTTO	LILK	0,0	2/ 111	1	1 2 10 000 00			-,-	-,
R554	1-246-497-00	CARBON	10K	5%	1/4W	R608	1-246-496-00	CARBON	9.1K	5%	1/4W
R555	1-246-473-00	CARBON	1K	5%	1/4W	R609	1-246-519-00	CARBON	82K	5%	1/4W
R556	1-246-516-00	CARBON	62K	5%	1/4W	R610	1-246-465-00	CARBON	470	5%	1/4W
						{					
R557	1-246-477-00	CARBON	1.5K	5%	1/4W	R611	1-246-529-00	CARBON	220K	5%	1/4W
R558	1-246-524-00	CARBON	130K	5%	1/4W	R612	1-246-529-00	CARBON	220K	5%	1/4W
R559	1-246-473-00	CARBON	1K	5%	1/4W	R613	1-246-489-00	CARBON	4.7K	5%	1/4W
			07.04	E el		0.614	1 046 460 00	CADDON	680	5%	1/4W
R560	1-246-531-00		270K	5%	1/4W	R614	1-246-469-00 1-246-505-00	CARBON CARBON	22K	5%	1/4W
R561	1-246-466-00	C ARBON	510	5%	1/4W	R615	1-246-531-00	CARBON	270K	5%	1/4W
R562	1-246-497-00	CARBON	10K	5%	1/4W	R616	1-240-331-00	CARDUN	27 OK	3,6	1/70
R563	1-246-509-00	CARBON	33K	5%	1/4W	R617	1-246-489-00	CARBON	4.7K	5%	1/4W
R564	1-246-505-00	CARBON	22K	5%	1/4W	R618	1-246-510-00	CARBON	36K	5%	1/4W
R565	1-246-505-00	CARBON	22K	5%	1/4W	R619	1-246-510-00	-	36K	5%	1/4W
V 202	1-240-303-00	CANDON	LLIN	J /6	A/ TH	1 1023	1 2 10 010-00				-,
R566	1-246-505-00	CARBON	22K	5%	1/4W	R701	1-247-875-00	CARBON	68K	5%	1/6W
R567	1-246-497-00	CARBON	10K	5%	1/4W	R702	1-247-875-00	CARBON	68K	5%	1/6W
R568	1-246-489-00	CARBON	4.7K	5%	1/4W	R703	1-247-875-00	CARBON	68K	5%	1/6W
						ĺ					
R569	1-246-510-00	CARBON	36K	5%	1/4W	R704	1-247-875-00		68K	5%	1/6W
R570	1-246-517-00	CARBON	68K	5%	1/4W	R705	1-247-875-00		68K	5%	1/6W
R571	1-246-499-00	CARBON	12K	5%	1/4W	R706	1-247-875-00	CARBON	68K	5%	1/6W
						1					

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CAPACITORS:

All capacitors are in μF . Common capacitors are omitted. Refer to the following lists for their part numbers. MF: μF , PF: $\mu \mu F$.

RESISTORS

- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.
- · F : nonflammable

COILS

· MMH : mH, UH : μH

The components identified by shading and mark A are critical for safety.

Replace only with part number specified.

Les composants identifiés par une trame et une marque Asont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

SEMICONDUCTORS

In each case, U : μ, for example:
UA···: μΑ···, UPA···: μΡΑ···, UPC···: μΡC,
UPD···: μPD···

ELECTRICAL PARTS

		LELCINIC	AL PANTS					CLLOTHIO	174175	
1	Ref.No.	Part No.	Description				Ref.No.	Part No.	Description	
							5000	1 046 400 00	CADDON 4.7V FW 1/4U	
	R707	1-247-875-00	CARBON	68K	5%	1/6W	R902	1-246-489-00		
	R708	1-247-875-00		68K	5%	1/6W			CARBON 390 54 1/2W	
	R709	1-247-875-00	CARBON	68K	5%	1/6W	R904	1-246-473-00	CARBON 1K 5% 1/4W	
	R710	1-247-875-00	CARBON	68K	5%	1/6W	R905	1-246-473-00	CARBON 1K 5% 1/4W	
	R711	1-247-875-00		68K	5%	1/6W	R906	1-246-489-00		
	R712	1-247-875-00		68K	5%	1/6W			PUSIBLE 13 5% 1M F	
	K/12	1-247-075-00	CARDON	OOK	3/6	1/04				
	R713	1-247-875-00	CARBON	68K	5%	1/6W	R908	1-244-853-00		
	R714	1-247-875-00	CARBON	68K	5%	1/6W	R909 A		FUSIBLE 22 5% 1/2W F	
	R715	1-247-875-00	CARBON	68K	5%	1/6W	R910	1-246-497-00	CARBON 10K 5% 1/4W	
	R716	1-247-875-00	CADRON	68K	5%	1/6W	RV101	1-226-991-00	RES, VAR, SLIDE 20K/20K	
		1-247-875-00		68K	5%	1/6W		1-226-236-00		
	R717	1-247-875-00		68K	5%	1/6W			RES, ADJ, CARBON 10K	
	R718	1-24/-0/5-00	CARBON	OOK	3,6	1/08		1-226-991-00		
	R719	1-247-875-00	CARBON	68K	5%	1/6W				
	R720	1-247-875-00		68K	5%	1/6W	RV202	1-226-236-00	RES, ADJ, CARBON 10K	
	R721	1-247-875-00		68K	5%	1/6W		1-226-236-00	RES, ADJ, CARBON 10K	
	11722	1 2 17 070 00	0,4100	• • • • • • • • • • • • • • • • • • • •	- 10	-,		1-226-237-00	RES, ADJ, CARBON 20K	
	R722	1-247-875-00	CARRON	68K	5%	1/6W		1-226-237-00		
	R723	1-247-875-00		68K	5%	1/6W			,	
	R724	1-247-875-00		68K	5%	1/6W	RY001	1-515-473-00	RELAY	
									mirron buch (2 MEV)	
	R725	1-247-875-00		68K	5%	1/6W	S005		SWITCH, PUSH (3 KEY)	
	R726	1-247-875-00		68K	5%	1/6W	\$006		SWITCH, PUSH (3 KEY)	
	R727	1-247-875-00	CARBON	68K	5%	1/6W	\$1	1-553-993-00	SWITCH, PUSH (4 KEY)	
	R728	1-247-875-00	CARBON	68K	5%	1/6W	52	1-553-993-00	SWITCH, PUSH (4 KEY)	
	R729	1-247-875-00		68K	5%	1/6W	\$3	1-553-993-00	SWITCH, PUSH (4 KEY)	
	R730	1-247-875-00		68K	5%	1/6W	\$4	1-553-993-00		
	1750	1-24/-0/0-00	O NILDON	OOK	0,0	2, 011	1			
	R731	1-247-875-00	CARBON	68K	5%	1/6W	\$501	1-554-303-00		
	R732	1-247-875-00	CARBON	68K	5%	1/6W	\$502	1-554-303-00		
	R733	1-244-861-00	CARBON	330	5%	1/2W	\$503	1-554-303-00	SWITCH, KEY BOARD	
	R734	1-247-895-00	CARRON	470K	5%	1/6W	5504	1-554-303-00	SWITCH, KEY BOARD	
	R735	1-247-872-00		51K	5%	1/6W	\$505	1-554-303-00	SWITCH, KEY BOARD	
	R736	1-247-872-00		51K	5%	1/6W	\$506	1-554-303-00		
	K730	1-24/-0/2-00	G/MDG/K	5111		1, 011	(
	R737	1-247-861-00		18K	5%	1/6W	\$507	1-554-303-00		
	R738	1-247-867-00		33K	5%	1/6W	\$508	1-553-206-00		
	R739	1-247-875-00	CARBON	68K	5%	1/6W	\$509	1-554-303-00	SWITCH, KEY BOARD	
	R740	1-247-875-00	CARRON	68K	5%	1/6W	\$510	1-554-303-00	SWITCH, KEY BOARD	
	R741	1-247-875-00		68K	5%	1/6W	\$511	1-554-303-00	SWITCH, KEY BOARD	
	R742	1-247-875-00		68K	5%	1/6W	\$512	1-554-303-00		
	11746	1-247-073-00	CANDON	OOK	J/6	1/011	3312	1 331 330 33	Silling itel bound	
	R743	1-247-875-00		68K	5%	1/6W	\$801	1-552-532-00	SWITCH, PUSH	
	R744	1-247-875-00		68K	5%	1/6W	\$802	1-552-532-00	SWITCH, PUSH	
	R745	1-247-875-00	CARBON	68K	5%	1/6W	cont 6	1 562 210 00	(ASP IN C) SWITCH BUSY (As DOLLAR	
	R746	1-247-875-00	CARRON	68K	5%	1/6W			(AEP,UK,E)SWITCH, PUSH (AC POWER) (US,Canadian)SWITCH, PUSH (AC POWER)	
	R740	1-247-875-00		68K	5%	1/6W				
	R748	1-247-875-00		68K	5%	1/6W	TODY A	1-447-273-00	(US,Canadian)TRANSFORMER, POWER	
	N/40	1-24/-0/0-00	CHIDOIT	JUN	O M	-/ 511	T901 A	1-447-274-00	(E)TRANSFORMER, POWER	
	R749	1-247-875-00	CARBON	68K	5%	1/6W	T901 A	L.1-447-275-00	(AÉP,UK)TRANSFORMER, POWER	
	R750	1-247-875-00	CARBON	68K	5%	1/6W				
	R901 &	1-217-395-00	FUSIBLE	47	5%	TUAL F	X501	1-527-802-21	OSCILLATOR, CERAMIC	

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CAPACITORS:

All capacitors are in μF . Common capacitors are omitted. Refer to the following lists for their part numbers. MF: μF , PF: $\mu \mu F$.

RESISTORS

- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.
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The components identified by shading and mark Aare critical for safety.

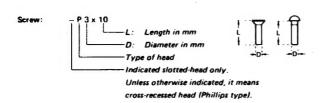
Replace only with part number specified.

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SEMICONDUCTORS

In each case, U : μ, for example: UA···: μΑ···, UPA···: μΡΑ···, UPC···: μΡC, UPD···: μPD···

HARDWARE NOMENCLATURE



Reference Designation	Shape	Description	Remarks
		SCREWS	+
Р	€	pan-head screw	binding-head (B) screw for replacement
PWH	€	pan-head screw with washer face	binding-head (B) screw and flat washer for replacement
PS PSP	8 53-	pan-head screw with spring washer	binding-head (B) screw and spring washer for replace- ment
PSW PSPW	88 0	pan-head screw with spring and flat washers	binding-head (8) screw and spring and flat washers for replacement
R	€3	round-head screw	binding-head (B) screw for replacement
К	₽	flat-countersunk-head screw	
RK	€	oval-countersunk-head screw	
8	(p	binding-head screw	
Т	₽	truss-head screw	binding-head (B) screw for replacement
F	₽⊃	flat-fillister-head screw -	
RF	€⊃	fillister-head screw	
BV	€⊃-	brazier-head screw	

Nut, Washer,	Retaining ring:
	N 3 — Diameter of usable screw or sheft Reference designation

Reference Designation Shape		Description	Remarks			
	·	SELF-TAPPING SCRE	WS			
TA	(III)	self-tapping screw	ex: TA, P 3 x 10			
PTP	€	pan-head self-tapping screw	binding-head self- tapping (TA, B) screw for replacement			
PTPWH	⊕	pan-head self-tapping screw with washer face	binding-head self tapping (TA, B) screw and flat washer for replacement			
PTTWH	= 0	pan-head thread-rolling screw with washer face	binding-head (B) screw and flat washer for replacement			
		SET SCREWS				
sc	-	set screw				
SC	-9E3-	hexagon-socket set screw	ex: SC 2.6 x 4, hexagon socket			
		NUT				
N	-()-(O-	nut				
	•	WASHERS				
W	0	flat washer				
sw	-@· f -	spring washer				
LW	0	internal-tooth lock washer	ex: LW3, internal			
rw 🐧		external-tooth lock washer	ex: LW3, external			
		RETAINING RINGS				
E	6	retaining ring				
G	୍ଭ	grip-type retaining ring				